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REGISTER FOR 1926-1927

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MEDICAL

LIBRARY
HISTORY OF MEDICINE
AND NATURAL SCIENCES

C. P. Thuhmann

STANFORD UNIVERSITY BULLETIN

THIRTY-SIXTH

ANNUAL REGISTER

1926-27

"The beneficence of the Creator toward man on earth, and the possibilities of humanity are one and the same."—LELAND STANFORD.

"A generous education is the birthright of every man and woman in America."

—DAVID STARR JORDAN.

STANFORD UNIVERSITY, CALIFORNIA
PUBLISHED BY THE UNIVERSITY

STANFORD
UNIVERSITY
PRESS

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OFFICE DIRECTORY

[The rooms in the Inner Quadrangle are numbered consecutively, beginning at the left of the main entrance, ten numbers being allotted to each building. In the Outer Quadrangle forty numbers are allotted to each of the larger buildings and ten numbers to each one-story building, beginning with the Assembly Hall (number 120). The Administration Building is on the north façade of the Outer Quadrangle. The Engineering Buildings south of the Quadrangles begin with number 500. The Library is the central building in the second Quadrangle group. The Chemistry Building is on the west avenue between the Quadrangles and the Museum. Anatomy and Bacteriology are in the old Museum building.]

Administration Building:

PRESIDENT, Room 165.

COMPTROLLER, Room 162.

REGISTRAR, Room 164.

DEAN OF MEN, Room 161.

DEAN OF WOMEN, Room 163*a*.

ACADEMIC SECRETARY AND ALUMNI SECRETARY, Room 174.

APPOINTMENT SECRETARY, Room 170.

DIRECTOR OF SUMMER QUARTER, Room 173.

LOWER DIVISION COMMITTEE, Room 164.

COMMITTEE ON PUBLIC HEALTH, Room 164.

CITIZENSHIP, Room 172.

The various departmental offices are given in the *Time Schedule* and in the *Directory of Officers and Students.*

The University Postoffice is *Stanford University, California.*

The University Telephone Office is *Palo Alto* (office and departmental telephones "Palo Alto 900" with local numbers added).

The University Railway Station and Telegraph and Express Offices are *Palo Alto, California.*

Requests for *University Bulletins,* blanks, and other printed matter, and inquiries regarding terms of admission, advanced standing, etc., should be addressed to THE REGISTRAR, *Stanford University, California.*

1926

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UNIVERSITY CALENDAR

1926

AUTUMN QUARTER

Sept.	20–25	Monday–Saturday	College Entrance Board Examinations.
Sept.	25	Saturday	College Aptitude Test.
Sept.	30	Thursday	Lower Division Registration (new students).
Oct.	1	Friday	Registration for Autumn Quarter.
Oct.	2	Saturday	Instruction begins.
Oct.	8	Friday	Conferring of Degrees.
Oct.	25–30	Monday–Saturday	Make-up Examinations.
Nov.	25–28	Thursday–Sunday	Thanksgiving Recess.
Dec.	14–17	Tuesday–Friday	End-Quarter Examinations.

1927

WINTER QUARTER

Dec.	31	Friday [1926]	College Aptitude Test.
Jan.	3	Monday	Registration for Winter Quarter.
Jan.	4	Tuesday	Instruction begins.
Jan.	7	Friday	Conferring of Degrees.
Jan.	24–29	Monday–Saturday	Make-up Examinations.
Feb.	22	Tuesday	Washington's Birthday (Holiday).
Mar.	9	Wednesday	Founders' Day
Mar.	15–18	Tuesday–Friday	End-Quarter Examinations.

SPRING QUARTER

Mar.	26	Saturday	College Aptitude Test.
Mar.	28	Monday	Registration for Spring Quarter.
Mar.	29	Tuesday	Instruction begins.
April	1	Friday	Conferring of Degrees.
April	18–23	Monday–Saturday	Make-up Examinations.
June	11–15	Saturday–Wednesday	End-Quarter Examinations.
June	18	Saturday	Senior Class Day.
June	19	Sunday	Baccalaureate Sunday.
June	20	Monday	Commencement.

SUMMER QUARTER

June	18	Saturday	College Aptitude Test.
June	20–25	Monday–Saturday	College Entrance Board Examinations.
June	21	Tuesday	Registration for Summer Quarter.
June	22	Wednesday	Instruction begins.
July	4	Monday	Independence Day (Holiday).
July	30	Saturday	First Term ends.
Aug.	25–27	Thursday–Saturday	End-Quarter Examinations.

ADMINISTRATIVE OFFICERS

THE BOARD OF TRUSTEES

[The figures in parentheses indicate year of beginning of service]

Wallace McKinney Alexander, Ph.B. (1924)
215 Market St., San Francisco

Frank Bartow Anderson (1912)
California and Sansome Sts., San Francisco

Harry Chandler (1923).....Times Office, Los Angeles

Leland Whitman Cutler, A.B. (1920)
Insurance Exchange Bldg., San Francisco

Frank Prentiss Deering, A.M. (1916)
325 Standard Oil Bldg., San Francisco

Joseph Donohoe Grant, A.B. (1891)....114 Sansome St., San Francisco

Thomas Tingey Craven Gregory, A.B. (1919)
Balfour Bldg., San Francisco

Herbert Clark Hoover, LL.D. (1912).....Washington, D.C.

Timothy Hopkins (1885).....111 Sutter St., San Francisco

Ira Shell Lillick, A.B. (1923).....900 Balfour Bldg., San Francisco

Christian Otto Gerberding Miller (1923)
519 California St., San Francisco

William Mayo Newhall, B.S. (1912)..260 California St., San Francisco

John Thomas Nourse, A.B. (1920).....2 State Bldg., San Francisco

Paul Shoup (1923).....Southern Pacific Bldg., San Francisco

Marcus Cauffman Sloss, A.M. (1920).....Mills Bldg., San Francisco

OFFICERS OF THE BOARD

President: William Mayo Newhall
Vice-President: Frank Prentiss Deering
Secretary-Treasurer: Thomas Tingey Craven Gregory
Assistant Secretary and Assistant Treasurer: Ira Shell Lillick

STANDING COMMITTEES OF THE BOARD

Finance: Anderson, Cutler, Grant, Gregory, Hopkins, Miller, Newhall, Shoup.

University: Lillick, Alexander, Chandler, Deering, Hoover, Newhall, Nourse, Sloss

Library: Hopkins, Hoover, Nourse

Rules: Gregory, Nourse, Sloss

Campus: Cutler, Gregory, Hoover, Hopkins

THE STANFORD NATIONAL BOARD

RICHARD WATTS BARRETT, A.B.....383 Jayne St., Oakland
CHARLES REYNOLDS BROWN, LL.D.Yale Divinity School, New Haven, Conn.
HUGH HENRY BROWN, A.B.....801 Foxcroft Bldg., San Francisco
JOHN TITUS COOPER, A.B.....Security Trust & Savings Bank, Los Angeles
CHARLES MAURICE CRAM, LL.B.....Tremont Bldg., Boston, Mass.
WILLIAM HENRY CROCKER, Ph.B...Crocker First Nat'l Bank, San Francisco
WALTER F. DILLINGHAM.....Honolulu, T.H.
GEORGE ARMAND DITZ, J.D.....Box 415, Stockton
PAUL MILTON DOWNING, A.B., Pacific Gas and Electric Co., San Francisco
MILTON ESBERG, B.L.....601 Third St., San Francisco
CHARLES KELLOGG FIELD, A.B...31 East Thirty-ninth St., New York, N.Y.
FORREST STARKEY FISHER, A.B.....630 Montgomery Drive, Portland, Ore.
FRANK PUTNAM FLINT.....Title Insurance Bldg., Los Angeles
WILLIAM HENRY BEGBIE FOWLER, A.B.
San Francisco Chronicle, San Francisco
FRANK LOUIS GUERENA, J.D.....State Bldg., San Francisco
WALTER RALEIGH HAMILTON, A.B.....1325 S. Boston St., Tulsa, Okla.
BRODIE GILMAN HIGLEY, A.B.....100 Broadway, New York, N.Y.
GUY KNUPP, A.B.....Porterville
HAROLD PHILLIPP KUHN, M.D.....1025 Rialto Bldg., Kansas City, Mo.
EDGAR AUGUSTINE LUCE, A.B.....1744 Second St., San Diego
JOHN COBB MACFARLAND, A.B..Merchants Nat'l Bank Bldg., Los Angeles
GEORGE THOMAS MARYE, LL.B.....467 O'Farrell St., San Francisco
HANS CHRISTIAN NELSON, J.D.....Eureka
FREDERICK WILLIAM NOBS, A.B.....Grass Valley
§FREDERICK FORREST PEABODY.....Santa Barbara
HENRY MAURIS ROBINSON.First National Bank of Los Angeles, Los Angeles
CHARLES A. SHURTLEFF.....Menlo Park
NATHANIEL GARDNER SYMONDS, A.B.. 111 W. Washington St., Chicago, Ill.
CHARLES COLLINS TEAGUE.....Santa Paula
MERLE THORPE, A.B...U.S. Chamber of Commerce Bldg., Washington, D.C.
WILLIAM L. VALENTINE.....Merchants National Bank Bldg., Los Angeles

§ Deceased February 23, 1927.

EXECUTIVE OFFICERS

[Office and office hours at right; MTWThF unless otherwise specified. "Adm." before office number indicates Administration Bldg.; *"a,"* Anatomy; *"b,"* Bacteriology; *"c,"* Chemistry.]

President: Ray Lyman Wilbur.....Adm. 165; 10–12, 2–5
Comptroller: Almon Edward Roth..Adm. 162; MWF 10–12, 2–4, S 10–12
Registrar: John Pearce Mitchell.....Adm. 164; 8–12, 1–4, S 8–12
Dean of Women: Mary Yost.....Adm. 163a; 10–12
MTThF afternoons and Saturday mornings by appointment
Dean of Men: George Bliss Culver.....Adm. 161a; 8:30–11:30, 1:30-4
Chaplain: David Charles Gardner.....Vestry; 9–12

Academic Secretary: John Ezra McDowell.....Adm. 174
Anatomy: Arthur William Meyer.....*a*7
Appointment Secretary: Elizabeth Burritt Snell.....Adm. 171
Bacteriology and Experimental Pathology: Edwin William Schultz..*b*4
Biology, School of: Ernest Gale Martin.....482
Botany: George James Peirce.....466
Business, Graduate School of: Willard Eugene Hotchkiss, *Dean*....422
Chemistry: Robert Eckles Swain.....*c*10
Citizenship: Edgar Eugene Robinson, *Director*.....Adm. 172
Classical Literature: Henry Rushton Fairclough.....257
Economics: Murray Shipley Wildman.....223
Education, School of: Ellwood Patterson Cubberley, *Dean*.....51
Engineering, Civil: Charles Benjamin Wing.....278
Engineering, Electrical: Harris Joseph Ryan.....505
Engineering, Mechanical: Arthur Boquer Domonoske.....260
Engineering, School of: Theodore Jesse Hoover, *Dean*.....530
English: William Dinsmore Briggs.....206
Food Research: Carl Lucas Alsberg.....30
Geology: Eliot Blackwelder.....340
Germanic Languages: William Alpha Cooper.....116
Graduate Study: Edward Curtis Franklin, *Dean*.....*c*35
History: Payson Jackson Treat.....236
Hoover War Library: Ralph Haswell Lutz.....215
Law, School of: Marion Rice Kirkwood, *Dean*.....1
Letters, School of: Augustus Taber Murray.....250
Libraries, University: George Thomas Clark, *Director*.....Library
Mathematics: Rufus Lot Green.....71

Medical Adviser of Men: William Hulbert Barrow..Encina Gymnasium
Medical Adviser of Women: Clelia Duel Mosher....Roble Gymnasium
Medicine, Department of: Arthur Leonard Bloomfield..San Francisco
Medicine, School of: William Ophüls, *Dean*.....San Francisco
Memorial Church: David Charles Gardner, *Chaplain*.....Vestry
Military Science and Tactics: William D. Geary..Military Science Bldg.
Mining and Metallurgy: Theodore Jesse Hoover.....530
Museum: Pedro J. Lemos, *Director*.....Museum
Obstetrics and Gynecology: Alfred Baker Spalding.....San Francisco
Pathology: William Ophüls.....San Francisco
Pharmacology: Paul John Hanzlik.....San Francisco
Philosophy: Henry Waldgrave Stuart.....94A
Physical Education (Men): Thomas Andrew Storey..Encina Gymnasium
Physical Education (Women): Ruth Calvin†.....Roble Gymnasium
Physical Sciences, School of: David Locke Webster.....389
Physics: David Locke Webster.....389
Physiology: Ernest Gale Martin.....482
Political Science: §Victor J. West; Edwin Angell Cottrell†....25A
Psychology: Lewis Madison Terman.....399
Public Health and PreventiveMedicine: Ernest Charles Dickson† San Francisco
Romanic Languages: Oliver Martin Johnston.....246
Social Sciences, School of: Murray Shipley Wildman.....223
Stanford National Board: John Armstrong Sellards, *Secretary* Adm. 173
Summer Quarter: John Armstrong Sellards, *Director*.....Adm. 173
Surgery: Emile Frederic Holman.....San Francisco
Zoölogy: John Otterbein Snyder.....443

† Acting.
§ Deceased February 26, 1927.

STANDING COMMITTEES OF ACADEMIC COUNCIL

[The first-named member in each committee is Chairman, unless otherwise indicated. The term of office of members of the Executive Committee begins immediately upon election (in May); of all other standing committees, September 1.]

ADVISORY BOARD

CATHCART, FAIRCLOUGH, FISH, FRANKLIN, GREEN, MEYER, PEIRCE, SWAIN (*Chairman*), WILDMAN

ADMINISTRATIVE COMMITTEES

1. Student Affairs: SWAIN, DANFORTH, ECKART, E. G. MARTIN, MORENO
2. Athletics (Men): STOREY, CANNING, MITCHELL, OWENS, E. W. SMITH
3. Athletics (Women): YOST, BRANDSTEN, BUCKINGHAM, BUNTING, MCCRACKEN, MOSHER, STOLTENBERG
4. Public Exercises: MCDOWELL, COTTRELL, DIETRICH, MEARS, SELLARDS, SHEPHERD, STEBBINS
5. Public Health: FISH, BARROW, CULVER, MOSHER, YOST
6. Scholarship: VERNIER, CULVER, FISH, E. G. MARTIN, MITCHELL, MILES, STOREY, YOST
7. Vocational Guidance: STRONG, J. G. BROWN, CULVER, B. M. GREEN, KIRKWOOD, MCDOWELL, MITCHELL, PROCTOR, REYNOLDS, YOST
8. Lower Division: MITCHELL, C. G. ALLEN, BEACH, BRAND, CANNING, COTTRELL, CROOK, FOSTER, KINDY, MILES, PARKS, SNYDER, G. H. STUART, THOMAS, YOST
9. Research: FRANKLIN, F. ANDERSON, BARNETT, BLACKWELDER, BRIGGS, HOOVER, H. L. LUTZ, R. H. LUTZ, MEYER, OPHÜLS, G. M. SMITH, A. E. TAYLOR, TERMAN, WEBSTER, WILBUR

ACADEMIC COMMITTEES

1. Executive Committee: WILBUR, BURLINGAME, CATHCART, FAIRCLOUGH, FISH, FOSTER, R. L. GREEN, HOOVER, MCDOWELL, MEYER, MITCHELL, SWAIN, WILDMAN
2. Admission and Advanced Standing: MITCHELL, MILES, PROCTOR, TICKELL, YOST
3. Registration: MITCHELL, B. O. BROWN, CULVER, PARKS, THOMAS
4. Graduation: BLACKWELDER, CROOK, MIRRIELEES, MITCHELL, C. P. STONE
5. Schedule and Examinations: OSBORNE, ALMACK, BEACH, DIETRICH, MITCHELL
6. Graduate Study: FRANKLIN, ALSBERG, BRIGGS, FAIRCLOUGH, MARX, MEYER, PEIRCE, RYAN, J. P. SMITH, H. W. STUART, WILDMAN
7. Library: TREAT, COOPER, J. S. DAVIS, WEBSTER, §WEST
8. University Publications: W. H. DAVIS, BECKING, HOOVER, H. L. LUTZ, G. H. STUART
9. Independent Study Plan: TERMAN, GUÉRARD, E. G. MARTIN, H. W. STUART, SWAIN

§ Deceased February 26, 1927.

OFFICERS OF INSTRUCTION AND ADMINISTRATION

[Name; residence; postoffice; residence telephone in parentheses; title. Postoffice in all cases *Stanford University* except where University residence is followed by initial letter of town ("p" indicates *Palo Alto* postoffice; "Mayfield-m" *Mayfield* postoffice, etc.). Street address *Palo Alto* or *Campus* unless otherwise named. The dagger (†) marks the names of men who are married.]

EMERITUS LIST

ANDERSON, MELVILLE BEST — Menlo Park-mp (Menlo Park 733)
Professor of English Literature, Emeritus

A.M., Butler College, 1877; LL.D., Aberdeen, 1906; Dr., University of Padua, 1922; Litt.D., Mills, 1923. At Stanford since 1891, Emeritus since 1910.

ANGELL, FRANK — 1200 Bryant-p (PA 87)
Professor of Psychology, Emeritus

B.S., Vermont, 1878; Ph.D., Leipzig, 1891; L.H.D., Vermont, 1892. At Stanford since 1892, Emeritus since 1922.

†BARKAN, ADOLPH — 490 Post, SF-sf
Professor of Structure and Diseases of Eye, Ear, and Larynx, Emeritus

M.D., University of Vienna, 1866; LL.D., University of Glasgow, 1901. At Stanford since 1909, Emeritus since 1911.

†BOEZINGER, BRUNO — Menlo Heights (PA 798W)
Associate Professor of German, Emeritus

A.B., Fort Worth University, 1894, A.M., 1895; Ph.D., Stanford, 1910. At Stanford since 1906, Emeritus since 1926.

CAMPBELL, DOUGLAS HOUGHTON — County Road (PA 1036)
Professor of Botany, Emeritus

Ph.M., Michigan, 1882, Ph.D., 1886. At Stanford since 1891, Emeritus since 1925.

†COOPER, CHARLES MINER — 2550 Buchanan, SF-sf (Fillmore 1821)
Clinical Professor of Medicine, Emeritus

M.B.Ch.B., Edinburgh, 1897. At Stanford since 1918, Emeritus since 1922.

†DURAND, WILLIAM FREDERICK — 11 Cabrillo (PA 1582)
Professor of Mechanical Engineering, Emeritus

Graduate U.S. Naval Academy, 1880; Ph.D., Lafayette, 1888; LL.D., California, 1924. At Stanford since 1904, Emeritus since 1924.

†ELLIOTT, ORRIN LESLIE — 5 Cabrillo (PA 1045)
Registrar, Emeritus

Ph.B., Cornell, 1885, Ph.D., 1890. At Stanford since 1891, Emeritus since 1925.

GILBERT, CHARLES HENRY — Cardinal Hotel (PA 2300)
Professor of Zoölogy, Emeritus

B.S., Butler University, 1879; M.S., Indiana, 1882, Ph.D., 1883. At Stanford since 1891, Emeritus since 1925.

GRIFFIN, JAMES OWEN — 14 Alvarado (PA 1054)
Professor of German, Emeritus

Graduate, Pennsylvania State Normal School, 1873. At Stanford since 1891, Emeritus since 1917.

†HOSKINS, LEANDER MILLER — 1240 Waverley-p (PA 75)
Professor of Applied Mathematics, Emeritus

B.C.E., and B.S., Wisconsin, 1883, M.S., 1885, C.E., 1887. At Stanford since 1892, Emeritus since 1925.

†JENKINS, OLIVER PEEBLES — 3 Lasuen (PA 1151M)
Professor of Physiology and Histology, Emeritus

A.B., Moore's Hill College, 1869, A.M., 1872; M.S., Indiana, 1886, Ph.D., 1889; LL.D., Moore's Hill College, 1916. At Stanford since 1891, Emeritus since 1916.

†JORDAN, DAVID STARR — Serra House (PA 1001)
Chancellor, Emeritus

M.S., Cornell, 1872; M.D., Indiana Medical College, 1875; Ph.D., Butler College, 1878; LL.D., Cornell, 1886; Johns Hopkins, 1902, Illinois College, 1903, Indiana, 1909, California, 1915, Western Reserve, 1915. President of the University, 1891–1913, Chancellor, 1913–16, Emeritus since 1916.

MARTIN, LILLIEN JANE — 821–822 Shreve Bldg., SF-sf (Sutter 3489)
Professor of Psychology, Emeritus

A.B., Vassar, 1880; M.L.A., and honorary Ph.D., Bonn, 1913. At Stanford since 1899, Emeritus since 1916.

†MARX, CHARLES DAVID — 357 Kingsley (PA 255)
Professor of Civil Engineering, Emeritus

B.C.E., Cornell, 1878; C.E., Karlsruhe Polytechnicum, 1881; LL.D., California, 1918; Dr.Ing.h.c., Karlsruhe, 1925. At Stanford since 1891, Emeritus since 1923.

†PRICE, GEORGE CLINTON — 5 Alvarado (PA 1053)
Professor of Zoölogy, Emeritus

B.S., De Pauw, 1890; Ph.D., Stanford, 1897. At Stanford since 1892, Emeritus since 1925.

†RIGDON, RUFUS LEE — 1617 Broderick, SF-sf (Fillmore 2285)
Clinical Professor of Genito-Urinary Surgery, Emeritus, and Consultant in Urology to Lane Hospital

M.D., Cooper Medical College, 1887. At Stanford since 1912, Emeritus since 1925.

†SANFORD, FERNANDO — 450 Kingsley-p (PA 646)
Professor of Physics, Emeritus

B.S., Carthage College, 1879, M.S., 1882, Sc.D., 1920. At Stanford since 1891, Emeritus since 1919.

†STILLMAN, STANLEY — 2285 Broadway, SF-sf (Walnut 5126)
Professor of Surgery, Emeritus, and Consultant in Surgery to Lane Hospital

M.D., Cooper Medical College, 1889. At Stanford since 1909, Emeritus since 1926.

†WILLIS, BAILEY — 5 Lasuen (PA 1118)
Professor of Geology, Emeritus

E.M., Columbia School of Mines, 1878, C.E., 1879; Hon. Ph.D., University of Berlin, 1910. At Stanford since 1915, Emeritus since 1922.

ACTIVE LIST

†ABRAMS, LEROY (123) 19 Cabrillo (PA 1125)
Professor of Botany

A.B., Stanford, 1899, A.M., 1902; Ph.D., Columbia, 1910. Acting Professor of Botany, University of Idaho, 1899–1900; Assistant in Botany, Stanford University, 1900–1902, Instructor, 1902–4; Fellow in Botany, Columbia University, 1904–5; Assistant Curator, Division of Plants, United States National Museum, 1905–6; Lecturer in Botany, University of California, first semester, 1915–16; Field Assistant, U.S. Department of Agriculture, summer, 1918. At Stanford 1900–1904, and since 1906.

†ADAMS, EPHRAIM DOUGLASS (123) 7 Cabrillo (PA 1058)
Professor of History

A.B., Michigan, 1887, Ph.D., 1890; LL.D., Grinnell, 1917; Litt.D., Tufts, 1918. Principal of High School, McGregor (Ia.), 1887; Principal of High School, Saginaw (Mich.), 1889; Special Agent in Charge of Street Railways, Eleventh Census, Washington (D.C.), 1890; Assistant Professor and afterward Professor of European History, University of Kansas, 1891–1902. At Stanford since 1902.

†ADDIS, THOMAS (1234) 201 San Carlos, Sausalito-s (Sausalito 350)
Professor of Medicine

M.B.Ch.B., Edinburgh, 1905, M.D., and M.R.C.P., 1908. Clinical Assistant, Medical Out-Patient Department, Royal Infirmary of Edinburgh, 1908, 1911; Medical Registrar, Leith Hospital, 1911; Carnegie Research Scholar and Fellow, 1908–11; Director of the Clinical Laboratory, Lane Hospital, since 1911; Captain, M.C., U.S.A., June, 1918, to July 28, 1919. At Stanford since 1911.

†ALDERSON, HARRY EVERETT (1234) 2649 Green, SF-sf (Fillmore 4548)
Clinical Professor of Medicine (Dermatology)

M.D., California, 1900. Graduate Study, Vanderbilt Clinic, New York, 1906, Johns Hopkins, 1907, Berlin, Paris, and London, 1912; Assistant in Skin Diseases, Medical Department of University of California, 1906–12; Professor of Art Anatomy, California School of Design, 1906–12; Chief of Dermatological Clinic, San Francisco Fruit and Flower Mission. At Stanford since 1912.

ALLARDICE, ROBERT EDGAR (123) County Road (PA 1036)
Professor of Mathematics

A.M., Edinburgh, 1882. Baxter Scholar in Mathematics, University of Edinburgh, 1882–83, Drummond Scholar in Mathematics, 1883–84; Assistant Professor of Mathematics, University of Edinburgh, 1883–92. At Stanford since 1892.

†ALLEN, CLIFFORD GILMORE (123) 25 Alvarado (PA 1923W)
Professor of Romanic Languages

A.B., Boston, 1900; A.M., Stanford, 1903; Docteur de l'Université de Paris, 1916. Student, University of Paris, 1903–4; Fellow of Boston University and Student at Universities of Paris and Madrid, 1904–5. At Stanford since 1901.

†ALLEN, WARREN D. (1234) 31 Alvarado (PA 865)
Organist

Associate, American Guild of Organists; Pupil of Rudolph Ganz and Alex von Fielitz, Berlin, 1909–10; studied organ with C. M. Widor, Paris, 1911; member of Busoni Class, Basel, Switzerland, September, 1910; Dean of Conservatory of Music, College of the Pacific, 1913–19. At Stanford since 1918.

†ALMACK, JOHN CONRAD (1234) 33 Alvarado (PA 1170J)
Professor of Education

A.B., Oregon, 1918, A.M., 1920; Ph.D., Stanford, 1923. Principal and Superintendent of Schools, Rockford (Wash.), 1905–15, Mayor, 1909–12; Editor, Colfax (Wash.), 1915–16; Superintendent of Schools, Coquille (Ore.), 1916–17; Assistant in Education, University of Oregon, 1917–18, Professor of Education and Director of Extension Education, 1918–21; Teaching Fellow, Stanford University, 1921–22. At Stanford since 1922.

ALMOND, NINA (1234) 2 Lasuen (PA 1203)
Librarian, Hoover War Library

A.B., Indiana University, 1913. Certificate, Indiana Library School; Head Cataloguer, Indiana University Library, 1914–16. At Stanford since 1916.

†ALSBERG, CARL LUCAS (1234) 10 Mirada (PA 2269J)
Director and Executive Secretary, Food Research Institute

A.B., Columbia, 1896, A.M., 1900, M.D. (College of Physicians and Surgeons), 1900. Student, Universities of Strassburg and Berlin, 1900–1903; Assistant in Physiological Chemistry, Harvard University, 1902–5, Instructor in Biological Chemistry, 1905–8; Chemical Biologist, Bureau of Plant Industry, United States Department of Agriculture, 1908–12; Chief, Bureau of Chemistry, 1912–21. At Stanford since 1921.

†ANDERSON, FREDERICK (123) Cedro Cottage (PA 1416J)
Assistant Professor of Romanic Languages

A.B., Stanford, 1911; A.M., Harvard, 1912; Ph.D., Yale, 1915. Instructor in French and Spanish, Reed College, 1912–13, Sheffield Scientific School, 1913–14, Yale University, 1914–15; Fellow in Yale University, 1914–15. At Stanford since 1920.

†ANDERSON, HENRY STOW (123) 460 Yale, Mayfield-Bx 83,m (PA 1736J)
Assistant Professor of Economics, and Assistant Director of Citizenship

A.B., Stanford, 1922, A.M., 1923, Ph.D., 1925. Lecturer in Problems of Citizenship, San Francisco State Teachers' College, 1924. At Stanford since 1923.

†ASHLEY, REA ERNEST (123) 16 Fifth Ave., SF-sf (Bayview 5905)
Clinical Instructor in Surgery (Otology, Rhinology, Laryngology)

B.S., University of Illinois, 1917, M.D., 1919. Assistant Department of Bacteriology and Pathology, University of Illinois, 1917–19; Assistant Resident Physician, Stanford University Hospital, 1919–20, Resident, Ear, Nose, and Throat, 1920–22. At Stanford since 1921.

†ATWOOD, FRANK J. (123) 443 Tennyson (PA 1644R)
Associate Professor of Military Science and Tactics (Ordnance), and Metallurgy

A.B., State College of Washington, 1914; B.S., University of Michigan, 1915. Student, Massachusetts Institute of Technology, 1921–23; Captain, Ordnance Department, U.S. Army. At Stanford since 1925.

†BACHER, JOHN ADOLPH (1234) 157 25th Ave., SF-sf (Evergreen 4684)
Associate Clinical Professor of Surgery (Otology, Rhinology, Laryngology)

A.B., Stanford, 1899; M.D., Harvard, 1911. At Stanford since 1917.

BAILEY, MARGERY (1234) 723 Hamilton (PA 2363J)
Assistant Professor of English

A.B., Stanford, 1914, A.M., 1916; Ph.D., Yale, 1922. Fellow in English, Yale University, 1921–22. At Stanford since 1914.

BAILEY, THOMAS ANDREW (123) 319 Stanford Union (PA 2900)
Acting Instructor in Citizenship

A.B., Stanford, 1924, A.M., 1925. Teaching Fellow in History, University of California, 1925–26.

†BAKER, JOHN MILTON (4) 11 Lasuen (PA 1015)
Acting Instructor in Journalism

A.B., Knox College, 1919; Lit.B., Pulitzer School of Journalism, Columbia, 1921; A.M., Harvard, 1926. Instructor in Journalism, Knox College, 1923–25; Assistant Professor of English, Dissertation and Journalism, University of Hawaii, since 1926.

†Bakhuyzen, H. L. van de Sande (4) University Park (PA 2077R)
Acting Assistant Professor of Economic Biology

D.Sc., University of Utrecht, 1920. Assistant, Agricultural Experiment Station, Groningen, 1919–22; Research Associate, Food Research Institute, Stanford, 1924–27. At Stanford since 1924.

†Barkan, Hans (123) 3653 Jackson, SF-sf (Pacific 8817)
Assistant Clinical Professor of Surgery (Ophthalmology)

A.B., Stanford, 1905; M.D., Harvard Medical School, 1910. Assistant in Pathology, Harvard Medical School, 1910–11, Instructor, 1911–12; Pathologist to the Long Island Hospital and Boston City Almshouse, 1911–12; Voluntary Assistant, Second Eye Clinic, Vienna, 1912–14, Lieutenant, U.S.N.R.F., July to December, 1917; Captain, M.R.C., U.S.A., November 4, 1918, to June 30, 1919. At Stanford since 1914.

†Barkan, Otto (123) 2058 Vallejo, SF-sf (Fillmore 3353)
Clinical Instructor in Surgery (Ophthalmology)

B.A., Trinity College, Oxford, 1909; M.D., Munich, 1914; M.R.C.S., London, 1915. House Physician, St. Mary's Hospital, London, 1914–15; Eye Clinics, Vienna and Munich, 1915–19; Eye Clinic, Vienna, 1920. At Stanford since 1921.

†Barnett, George de Forest (123) 15 Mirada (PA 899)
Associate Professor of Medicine

A.B., Stanford, 1906, A.M., 1909, M.D., 1913. Instructor in Chemistry, Stanford University, 1909–10; Student, Johns Hopkins Medical School, 1910–12; Senior House Officer, Lane Hospital, 1914–15; Lieutenant, M.C., U.S.N.R.F., 1917–19. At Stanford since 1915.

†Barrow, William Hulbert (1234) 17 Salvatierra (PA 883)
Professor of Physical Education, Medical Adviser of Men, Assistant Clinical Professor of Medicine

A.B., Harvard, 1908, M.D., 1916. House Officer, Medical Service, Peter Bent Brigham Hospital, Boston, 1916–17; First Lieutenant and Captain, M.C., U.S.A., 1917–21; A.E.F., 1917–19; Medical Supervisor and Athletic Adviser, Middlesex School, Concord (Mass.), 1921–22. At Stanford since 1922.

†Bassett, Lee Emerson (1234) 9 Cabrillo (PA 2098)
Professor of English (Public Speaking)

A.B., Stanford, 1901. Graduate, Cumnock School of Oratory, Los Angeles, 1898; Instructor in Public Speaking, University of Southern California, 1898–99; Student, School of Expression, Boston, 1901; Acting Associate Professor of Public Speaking, University of Washington, 1912–13; Professor of Public Speaking, University of Colorado, Summer Session, 1919, 1923, University of California, Intersession, 1922, Northwestern University, Summer Session, 1925. At Stanford since 1900.

†Baumberger, James Percy (234) 328 Churchill (PA 767M)
Assistant Professor of Physiology

B.S., California, 1914; M.S., Harvard, 1916, D.Sc., 1918. Student, Yale Army Laboratory School, 1918; Assistant in Zoölogy, Harvard University, 1914–18, Assistant in Botany, 1918, Austin Teaching Fellow in Zoölogy, 1917–18, Teaching Fellow in Physiology, 1922; Assistant in Physiology, Radcliffe College, 1917, Assistant in Entomology, 1918; Instructor in Natural Sciences, Lowthorpe Horticulture School, 1915–18; Traumatic Shock Laboratory, A.E.F., 1918–19. At Stanford since 1919.

†Beach, Walter Greenwood (124) 5 Salvatierra (PA 1052R)
Professor of Social Science

A.B., Marietta, 1888; A.B., Harvard, 1891, A.M., 1892. Professor of Philosophy and History, Marietta College for Women, 1893–97; Student, Stanford University, 1897–98; Assistant Professor and afterward Professor and Head of Department of Economic Science and History, State College of Washington, 1898–1910; Professor

of Social Science, University of Washington, 1910–17; Dean of College of Sciences and Arts, and Professor of Social Science, State College of Washington, 1917–20; Lecturer in Economics, University of California, Summer Session, 1924. At Stanford since 1920.

†Becking, Laurence B. (12) 25 Mirada (PA 2378)
Professor of Economic Biology

A.B., Utrecht, 1917, M.S., 1919, D.Sc., 1921; Ph.D., Stanford, 1921. At Stanford since 1920.

†Benjamin, Harold R. (4) 889 Stanford (PA 1830R)
Acting Associate Professor of Education

A.B., University of Oregon, 1920, A.M., 1924. Principal, Elementary Schools, Salem (Ore.), 1915–17; Superintendent of Schools, Umatilla, 1920–22; Principal of University High School and Assistant Professor of Education, University of Oregon, 1922–25; Assistant in Practice Teaching, Stanford, 1925–27.

†Bennett, Merrill Kelley (1234) 1103 Ramona-p (PA 1472J)
Junior Research Associate, Food Research Institute

Ph.B., Brown, 1920, A.M., 1921; A.M., Harvard, 1926. Assistant in English, Brown, 1920–21, Instructor, 1921–22; Instructor in English, Stanford, 1922–23, Junior Research Associate, 1923–25; Weld Fellow in Economics, Harvard, 1925–26. At Stanford, 1922–25, and since 1926.

Bergstrom, Francis William (234) 25 Salvatierra (PA 1042W)
Instructor in Chemistry

A.B., Stanford, 1918, Engineer, 1919, Ph.D., 1922. National Research Fellow in Chemistry at Clark and Brown Universities, 1922–25. At Stanford since 1925.

Bille, Anna (23) 610 Cowper-p (PA 492)
Acting Assistant Professor of English

A.B., Stanford, 1908, A.M., 1909.

[†Bingham, Joseph Walter 653 Melville (PA 1585W)
Professor of Law]

A.B., Chicago, 1902, J.D., 1904. In practice of law, Chicago, 1904–5; Acting Assistant Professor of Law, Cornell University, 1905–7; Professor of Law, University of Chicago, Summer Quarter, 1916; Visiting Professor of Law, Columbia, 1926–27; Acting Professor of Law, University of Wisconsin, Summer Session, 1927. At Stanford since 1907.

†Binkley, Robert Cedric (1234) 927 Webster
Reference Librarian, Hoover War Library

A.B., Stanford, 1922, A.M., 1924, Ph.D., 1927. At Stanford since 1924.

†Blackwelder, Eliot (23) Escondite Cottage (PA 895R)
Professor of Geology

A.B., Chicago, 1901, Ph.D., 1914. Fellow and Assistant in Geology, University of Chicago, 1902–3; Paleontologist, Carnegie Institution Expedition to China, 1903–4; Instructor and afterward Professor of Geology, University of Wisconsin, 1905–16; Professor and Head of Department of Geology, University of Illinois, 1916–19; Lecturer in Geology, University of Chicago, 1907, 1916, Stanford University, 1919, Harvard University, 1921–22; Geologist, U.S. Geological Survey, 1902, 1906–18; Chief Geologist, Argus Oil Company, 1919–21; Manager, Teton Syndicate, 1921–22. At Stanford since 1922.

†Blair, James Stuart (124) Menlo Heights (PA 3696R)
Instructor in Chemistry

A.B., Kansas, 1919, A.M., 1920; Ph.D., Stanford, 1924. Research Chemist, Fixed Nitrogen Research Laboratory, Washington, D.C., 1920–23; Instructor in Chemistry, Oregon Agricultural College, 1924–25. At Stanford since 1925.

†Blair, John Edward (1) 1770 Emerson (PA 469)
Instructor in Bacteriology

A.B., Clark, 1920; M.S., Brown, 1921, Ph.D., 1923. Graduate Assistant in Biology, Brown University, 1920–21, Instructor, 1921–22, Arnold Fellow in Biology, 1922–23. At Stanford since 1923.

†Blaisdell, Frank Ellsworth (1234) 1520 Lake, SF-sf (Evergreen 6062)
Professor of Surgery

M.D., Cooper Medical College, 1889. Demonstrator of Anatomy, Cooper Medical College, 1903, Instructor in Biology and Embryology, 1900–1909, in Histology, 1907–9, Assistant P ofessor of Anatomy, 1904–5, Associate Professor, 1907–12; Instructor in Regional Anatomy, Training School for Medical Officers of the U.S. Army, March to December, 1918. At Stanford since 1910.

†Blake, Sidney Fay (4) Kingscote
Acting Professor of Botany

A.B., Harvard, 1912, A.M., 1913, Ph.D., 1917. Assistant, Gray Herbarium, Harvard, 1916–17; Assistant Botanist, Bureau of Plant Industry, U.S. Department of Agriculture, since 1917.

Blewett, Frances (1) 528 Lincoln-p
Secretary, Citizenship

A.B., Stanford, 1921.

Blichfeldt, Hans Frederik (1234) 390 Oxford (PA 716J)
Professor of Mathematics

A.B., Stanford, 1896; Ph.D., Leipzig, 1898. At Stanford since 1898.

†Blodgett, David P. (1234) 130 Cowper-p (PA 815R)
Office Manager, Treasurer's Office

At Stanford since 1907.

†Bloomfield, Arthur Leonard (123) 100 Walnut, SF-sf (Fillmore 9544)
Professor of Medicine

A.B., Johns Hopkins, 1907, M.D., 1911. Assistant, Instructor, Associate in Medicine, Johns Hopkins, 1912–22, Associate Professor of Medicine, 1922–26. At Stanford since 1926.

†Boardman, Walter Whitney (123) 37 Walnut, SF-sf (Fillmore 2506)
Associate Clinical Professor of Medicine (Actinography)

M.D., Cooper Medical College, 1909. Assistant in Phipps Dispensary, Johns Hopkins Hospital, 1910, Assistant in Actinography and Externe in Gynecology, 1911; Lieutenant, U.S.N. R.F., July, 1917, to December, 1918. At Stanford since 1912.

Boggs, Theodore H. (1234) 1147 Ramona (PA 3013W)
Acting Professor of Economics

A.B., Acadia, 1902; A.B., Yale, 1905, Ph.D., 1908. Assistant in Social Science, Yale, 1908–11; Assistant Professor of Economics, Dartmouth, 1911–16; Assistant Professor of Economics, University of British Columbia, 1916–19, Professor, 1919–26; Associated with United States Tariff Commission, Washington (D.C.), June to September, 1918; Professor of Economics, University of California, Summer Session, 1924.

Boulware, Edna (1234) 170 Bryant-p (PA 403J)
Secretary, Chemistry

At Stanford since 1916.

Brand, Carl Fremont (123) 220 Stanford Union (PA 2900)
Assistant Professor of History

A.B., Indiana, 1915, A.M., 1916; A.M., Harvard, 1918, Ph.D., 1923. Teacher of History, Hammond (Ind.) High School, 1916–17; University Scholar, Harvard University, 1917–18, Austin Teaching Fellow, 1918–19; Instructor in History, Smith College, 1919–20; Parker Travelling Fellow, Harvard University, 1920–21; Instructor in History, University of Michigan, 1921–24. At Stanford since 1924.

BRAND, ELIZABETH MORGAN (1234) 47 Salvatierra (PA 1040W)
Secretary to Dr. Taylor, Food Research Institute

At Stanford since 1920.

†BRANDSTEN, ERNST M. (123) Searsville Lake Park (RC 1711F12)
Associate Director of Encina Gymnasium

Teacher of Swimming, Municipal Baths, Stockholm, Sweden, 1905; Swimming Coach, Neptune Swimming Club, Stockholm, 1906, University of California, 1911, 1913–15. At Stanford since 1915.

BRANDSTEN, GRETA (Mrs.) (123) Searsville Lake Park (RC 1711F12)
Instructor in Physical Education

At Stanford since 1916.

†BRIGGS, WILLIAM DINSMORE (124) County Road (PA 2918)
Professor of English

A.B., Stanford, 1896; A.M., Harvard, 1899, Ph.D., 1900. Student, Johns Hopkins University, 1896–97; Instructor in English and German, University of Vermont, 1900–1901; Instructor in English, Western Reserve University, 1901–6. At Stanford since 1906.

BRINKMANN, HEINRICH WILHELM (4) 3 Stanford Union (PA2900)
Acting Assistant Professor of Mathematics

A.B., Stanford, 1920; A.M., Harvard, 1923, Ph.D., 1925. Instructor, Harvard University, since 1925.

†BRITTON, WILLIAM EVERETT (4) 26 Alvarado (PA 526W)
Acting Professor of Law

A.B., McKendree College, 1909; A.M. (Political Science) University of Illinois, 1910, J.D., 1914. Principal, Carlyle (Ill.) High School, 1910–11; in practice of law, Chicago, 1914–16; Instructor in Law, University of Illinois, 1916–19, Assistant Professor, 1919–21; Professor of Law, Indiana University Law School, 1921–24; Professor of Law, University of Illinois, since 1924.

†BRODRICK, RICHARD G. (123) 305 Mountain, Piedmont-p (Piedmont 7309)
Clinical Professor of Hospital and Health Administration (Public Health and Preventive Medicine)

M.D., Cooper Medical College, 1892.

[BROWN, ADELAIDE 45 Sixteenth Ave., SF-sf (Evergreen 6917)
Lecturer in Medicine (Child Hygiene)]

A.B., Smith, 1888; M.D., Cooper Medical College, 1892. Interne, New England Hospital, Boston (Mass.), 1893; Student, Berlin, Leipzig, Dresden, Vienna, 1894; Student, Johns Hopkins, 1898; Children's Hospital, 1899–1915; Member State Board of Health, 1915. At Stanford since 1920.

†BROWN, BUFORD OTIS (123) 33 Salvatierra (PA 2485)
Associate Professor of Journalism

A.B., Missouri, 1908, B.J., 1912. Bursar, Texas Woman's College, 1909–11; Instructor in Journalism, University of Texas, 1914–17; Secretary, Ground School of Military Aëronautics, University of Texas, 1917; Visiting Lecturer, Texas Agricultural and Mechanical College, Summer Sessions, 1922, 1923; Editor *Plainview* (Tex.) *Evening Herald,* 1912–14, *Vernon Record,* 1918–22; Special Correspondent, *Wichita Falls Times* and *Dallas News,* 1922; Associate Professor, University of California, Southern Branch, Summer Sessions, 1924–26. At Stanford since 1923.

†BROWN, HAROLD CHAPMAN (123) 568 Santa Ynez-p (PA 1006)
Associate Professor of Philosophy

A.B., Williams, 1901; A.M., Harvard, 1903, Ph.D., 1905. Student, University of Berlin, 1903–4; Assistant in Philosophy, Harvard University, 1904–6; Instructor in Philosophy, Columbia University, 1906–14, Columbia University, Summer Sessions,

1915, 1916; Acting Professor, University of California, Second Semester, 1922, Intersessions, 1920, 1922, 1924, 1926; Acting Professor, University of Washington, Summer Quarter, 1925. At Stanford since 1914.

BROWN, JOSEPH GRANT (124) 1013 Ramona-p (PA 461M)
Associate Professor of Physics

A.B., Stanford, 1901, A.M., 1903. Graduate, Illinois State Normal University, 1894, Instructor in Physics and Chemistry, 1894–98. At Stanford since 1900.

BROWN, MARION A. (4) 426 Palo Alto-p (PA 2127)
Acting Assistant Professor of Education

A.B., University of California, 1916, A.M., 1917. Instructor, University of Oregon, Summer Quarters, 1925, 1926; Dean of Girls, University High School, Oakland, since 1923.

BROWN, RUTH WENTWORTH (4) 3 Lasuen (PA 1151M)
Acting Assistant Professor of Classical Literature

A.B., University of Southern California, 1903; A.B., Stanford, 1904, A.M., 1912. Teacher of Latin and German, Alhambra High School, 1904–5; Student, Berlin and Jena, 1905–6; Assistant Professor of Latin, University of Southern California, 1906–9, Associate Professor, 1909–12, Professor since 1912.

BUCKINGHAM, ELISABETH LEE (12) 4 Lasuen (PA 1203)
Assistant Professor of English (Public Speaking)

A.B., Stanford, 1910, A.M., 1914. Student, Columbia College of Expression, Summer, 1913; Teacher of Public Speaking, State Normal School, San Jose, 1914; Student, Columbia University, 1917–18, and Summer Sessions, 1916, 1919. At Stanford since 1911.

†BÜHLER, KARL LUDWIG (4) Stanford Union (PA 2900)
Acting Professor of Psychology

M.D., University of Freiburg, 1903; Ph.D., University of Strasbourg, 1904. Assistant and Privatdozent, University of Würzburg and Bonn, 1907–13; Assistant Professor, University of Munich, 1913–18; Professor of Philosophy and Education, University of Dresden, 1918–22; Professor of Psychology, University of Vienna, since 1922.

[BUNTING, HELEN MASTERS San Juan Hill (PA 1161W)
Assistant Professor of Physical Education, and Director of Roble Gymnasium]

A.B., Stanford, 1924; A.M., Columbia, 1927. Graduate, Department of Hygiene, Wellesley College, 1912; Instructor in Physical Education, Centenary Collegiate Institute, Hackettstown (N.J.), 1912–14; Director, Physical Education for Women, University of Colorado, 1914–19. At Stanford since 1919.

†BURLINGAME, LEONAS LANCELOT (123) 24 Alvarado (PA 1144)
Professor of Biology

Ph.B., Ohio Northern University, 1901; A.B., Chicago, 1906, Ph.D., 1908. Instructor in Biology, Ohio Northern University, 1901–4; Fellow in Botany, University of Chicago, 1906, Assistant, 1906–8. At Stanford since 1908.

†BURROWS, JOHN ROBERT (123) 2406 Clay, SF-sf (Fillmore 2833)
Assistant Clinical Professor of Surgery (Anesthesia)

M.D., Cooper Medical College, 1906. Assistant in Ophthalmology, Cooper Medical College, 1909; Assistant Anesthetist, Lane Hospital, since 1910. At Stanford 1912–19, and since 1921.

BUSCHE, MARGARET JEANETTE (1234) 2234 California, SF-sf (West 7109)
Instructor in Theory of Nursing

B.S., Cincinnati, 1922. Graduate, School of Nursing and Health, University of Cincinnati, 1921, Assistant Instructor, 1921–23; Instructor, Cincinnati and Hamil-

ton County Chapter, American Red Cross, 1923–24; Instructor, School of Nursing, The Tennessee Coal, Iron, and R.R. Co., Fairfield (Ala.), 1924–25. At Stanford since 1926.

†BUTLER, EDMUND (123) 2539 Vallejo, SF-sf (Fillmore 1985)
Assistant Clinical Professor of Surgery

M.D., Cooper Medical College, 1911; Senior Interne, Resident in Surgery, Lane Hospital, 1912–14; Surgeon, S.F. Emergency Hospital, 1914–19; Lieutenant, U.S.N. R.F., December, 1917, to March, 1919; Chief Surgeon, San Francisco Emergency Service, 1919. At Stanford since 1920.

†BUTTON, ROY H. (34) 812 Forest-p (PA 1870R)
Superintendent of Buildings and Grounds

CALKINS, ROBERT D. (123) 10 Stanford Union (PA 2900)
Junior Research Associate, Food Research Institute

A.B., William and Mary, 1925. At Stanford since 1926.

CALVIN, RUTH ANDERSON (Mrs.) (1234) 519 Addison (PA 132R)
Instructor in Physical Education, and Acting Director of Roble Gymnasium

A.B., Reed, 1919; A.M., Wellesley, 1925. Graduate Student, Department of Hygiene, Wellesley College, 1919–20, 1923–24. Director of Physical Education for Girls, Stadium High School, Tacoma (Wash.), 1920–23. At Stanford since 1924.

†CAMPBELL, JOHN LOCKHART (3) 1808 Octavia, SF-sf (Walnut 218)
Clinic Dentist

D.D.S., California, 1917. Clinic Dentist, San Francisco Polyclinic, 1917–18, Baby Hospital of Alameda County, 1917–19; Detention Home of Juvenile Court of City and County of San Francisco, since 1918; Assistant in Clinical Dentistry, University of California, 1918–19; Lieutenant, D.C., U.S.A. At Stanford since 1919.

†CANNING, JOHN BENNET (123) University Park (PA 724W)
Associate Professor of Economics

Ph.B., Chicago, 1913. Graduate Scholar in Political Economy, University of Chicago, 1913–14, Assistant, 1914–15, Instructor, 1915–17; Assistant Professor of Economics, University of California, Intersession, 1920, 1921; Assistant Professor of Political Economy, University of Chicago, Summer Quarter, 1924. At Stanford since 1919.

[†CANNON, WILLIAM AUSTIN Stanford University
Lecturer in Botany]

A.B., Stanford, 1899, A.M., 1900; Ph.D., Columbia, 1902. Resident Investigator, Desert Botanical Laboratory, 1904–6, Staff Member, 1906–24; Acting Director, Department of Botanical Research, Carnegie Institution, 1912; Research Associate, Carnegie Institution, 1924–25; Special Investigator, physiology of the redwoods, 1925–26. At Stanford since 1926.

†CARROLL, JOSEPH SNYDER (1234) 176 Waverley-p (PA 518R)
Assistant Professor of Electrical Engineering

B.S., Utah, 1920; Engineer, Stanford, 1924. At Stanford since 1924.

†CATHCART, ARTHUR MARTIN (1234) 1215 Emerson (PA 197)
Professor of Law

A.B., Stanford, 1896. Student, Harvard University, 1896–97; Attorney at Law, Colorado Springs (Colo.), 1903–4; Lecturer in Law, University of California Summer Session, 1908; Professor of Law, University of Chicago, Summer Quarters, 1911, 1922, University of California, Summer Session, 1924. At Stanford since 1904.

†CATTON, JOSEPH HENRY (123) 2172 Pacific, SF-sf (Fillmore 94)
Assistant Clinical Professor of Medicine (Neurology)

B.S., California, 1911; M.D., California, 1913. Voluntary Assistant in Medicine, University of California, 1914–16, Assistant in Medicine, 1916; Chief of Medical Clinic, San Francisco Polyclinic, 1917–19; Assistant Visiting Physician, San Fran-

cisco Hospital, 1914–17, Visiting Physician, 1917; Major, M.C., U.S.A.; Consultant, Neuropsychiatry, U.S. Veterans' Bureau and U.S. Employees' Compensation Commission. At Stanford since 1919.

†CHAMBERLAIN, WILLIAM EDWARD (1234) 11 San Leandro Way, SF-sf (Sunset 130)
Associate Professor of Medicine (Radiology), and Director of the Department of Radiology

B.S., California, 1913, M.D., 1916. Assistant in Roentgenology, University of California Medical School, 1916–17; Visiting Roentgenologist to the French Hospital, San Francisco, 1917; Roentgenologist of U.S. Base Hospital No. 2, 1917–18; Instructor in Roentgenology, University of California Medical School, 1919–20; Roentgenologist in Charge, Children's, Hahnemann, and St. Mary's Hospitals, San Francisco, 1919–20. At Stanford since 1920.

†CHANDLER, LOREN ROSCOE (123) 10 Funston, SF-sf (Bayview 1105)
Clinical Instructor in Surgery

A.B., Stanford, 1920, M.D., 1923. Senior Interne in Surgery, Lane Hospital, 1923–24; Diplomate, National Board of Medical Examiners, 1923; Resident Surgeon, Lane Hospital, 1924–25. At Stanford since 1923.

CHARLIER, GUSTAVE (4) Stanford Union (PA 2900)
Acting Professor of Romanic Languages

Ph.D., University of Liége, 1908. Student, University of Paris, 1909–10, Instituto di Studi superiori, Florence, and University of Bonn, 1911; Charge de cours, University of Brussels, 1912, Professor, 1919; Member, Academie Royale de langue et de littérature Française, 1921; Director, Section de Lettres, Institut des Hautes Etudes de Belgique, 1923.

†CHENEY, WILLIAM FITCH (123) 33 Spruce, SF-sf (Bayview 7720)
Clinical Professor of Medicine

B.L., California, 1885; M.D., Cooper Medical College, 1889. Professor of Principles and Practice of Medicine, Cooper Medical College, 1898–1912. At Stanford since 1909.

†VON CHRISTIERSON, SIGURD (123) 25 San Pablo, SF-sf (Sunset 8970)
Clinical Instructor in Surgery (Otology, Rhinology, Laryngology)

A.B., Stanford, 1917, M.D., 1922. Aurist, Southern Pacific Hospital. At Stanford since 1922.

†CLARK, ARTHUR BRIDGMAN (124) 4 Cabrillo (PA 1023)
Professor of Education (Graphic Art)

B.Ar., Syracuse, 1888, M.Ar., 1891. Director of Trade Schools and Instructor in Drawing, New York State Reformatory, Elmira (N.Y.), 1888–89; Instructor in Architecture, Syracuse University, 1889–92; Student in Painting, New York School of Art and Académie Carmen, Paris, 1898–99; Instructor in Pottery, California School of Arts and Crafts, Berkeley, Summer Session, 1913, 1914; Director, San Francisco Art Association, 1917; Lecturer, California School of Fine Arts, 1919–20. At Stanford since 1892.

CLARK, GEORGE THOMAS (1234) 1729 Emerson (PA 1973)
Director of the University Libraries

B.S., California, 1886. Assistant Librarian, University of California, 1886–87; Deputy State Librarian, California State Library, 1887–90, Classifier, 1890–94; Librarian, San Francisco Public Library, 1894–1907. At Stanford since 1907.

†CLARK, WILLIAM REDWOOD PRICE (123) 2710 Filbert, SF-sf (Walnut 5106)
Clinical Professor of Medicine (Tuberculosis)

M.D., Cooper Medical College, 1899. Assistant Visiting Physician, City and County Hospital, San Francisco, 1901–04; Instructor in Medicine, Cooper Medical College, 1905–11; Visiting Physician, Clinic of the San Francisco Association for the Study

and Prevention of Tuberculosis, 1909–12; Visiting Physician, City and County Tuberculosis Hospital, San Francisco, 1911–26; Major, M.C., U.S.A., November 1917 to January 1919. At Stanford since 1911.

CLINTON, ISABELLA MARY (1234) 2345 Polk, SF-sf (Graystone 3797)
Clinical Instructor in Medicine (Tuberculosis)

Ph.G., California College of Pharmacy, 1916; M.D., Woman's Medical College of Pennsylvania, 1922. Assistant Resident Physician, Trudeau Sanatorium, 1922; House Officer in Medicine and Tuberculosis, San Francisco Hospital, 1923–24; Visiting Physician, Arequipa Sanatorium, since 1923. At Stanford since 1924.

†COESTER, ALFRED (234) 435 Homer (PA 340J)
Associate Professor of Romanic Languages

A.B., Harvard, 1896, A.M., 1906, Ph.D., 1906. Student, University of Seville, Spain, 1901–2, University of Berlin, 1894–95, Sorbonne, 1895; Secretary-Treasurer, American Association of Teachers of Spanish, since 1917; Associate editor *Hispania;* Caballero de la real orden de Isabel la Católica; Member, Hispanic Society of America; Corresponding member, Real Academia Hispano-Americana de Ciencias y Artes, Cadiz; Corresponding member, Junta de Historia y Numismática Americana, Buenos Aires; Editor, *Hispania,* since 1927. At Stanford, Summer Quarter, 1919, and since 1920.

†COOPER, WILLIAM ALPHA (123) 35 Salvatierra (PA 593)
Professor of German

A.B., Marietta, 1892, A.M., 1897, Litt D., 1917. Student, Universities of Bonn, Leipzig, and Paris, 1892–94, Stanford University, 1901–3, University of Berlin, 1908–9; Instructor in German and French, Marietta College, 1895–99, Professor, 1899–1901. At Stanford since 1901.

†COOVER, JOHN EDGAR (1234) 11 Salvatierra (PA 933)
Fellow in Psychic Research, and Associate Professor of Psychology

A.B., Stanford, 1904, A.M., 1905, Ph.D., 1912. Principal, Como (Colo.) Schools, 1898–99; Principal, Sonora (Calif.) High School, 1905–7, Dixon High School, 1907–10; Assistant in Psychology, Stanford University, 1910–12; Captain, Sanitary Corps, U.S.A., Psychological Division, Medical Research Laboratory (Military Aëronautics), 1918–19. At Stanford since 1910.

†COTTRELL, EDWIN ANGELL (134) 257 Kingsley (PA 109)
Professor of Political Science

AB., Swarthmore, 1907; A.M., Harvard, 1913. Instructor in Political Science, Pennsylvania State College, 1907–11, Assistant Registrar, 1909–11; Assistant in Government, Harvard University, 1911–15; Swarthmore Fellow, 1912–13; Instructor in Government, Wellesley College, 1912–17; Lecturer in Constitutional Government, Brown University, 1915–16; Secretary of the Boston Budget Commission, 1915; Assistant Secretary, Boston Chamber of Commerce, 1916–17; Professor of Political Science, and Director of the Bureau of Governmental Research, Ohio State University, 1917–19; Special Investigator, United States Bureau of Efficiency, 1918; Visiting Lecturer in Government, Harvard University, Summer 1913, Spring, 1922; Visiting Professor, University of Washington, Summer Quarter, 1925. At Stanford since 1919.

†COWAN, JOHN FRANCIS (123) 37 Presidio, SF-sf (Fillmore 5645)
Clinical Professor of Surgery

A.B., Stanford, 1902; M.D., Cornell University Medical College, 1910. Assistant and Acting Instructor in Physiology, Stanford University, 1903–6; Instructor in Physiology, Cornell University Medical College, 1906–9; Interne, New York Hospital, 1910–12, Resident Surgeon, 1912–13; Lieutenant Surgeon, U.S.N.R.F., July 1917 to December 1918. At Stanford since 1913.

†COWDERY, KARL MONTAGUE (1234) 559 Homer (PA 2502J)
Assistant Registrar

A.B., Oberlin, 1915; A.M., Stanford, 1922, Ph.D., 1926. Student, Eugenics Record Office, Summer, 1915; Research Worker, Whittier State School, 1915–17; Psycho-

logical Examiner, U.S. Army, 1918; Assistant Superintendent, Whittier State School, 1919–22, Director of Education, 1922–23; Teaching Assistant in Psychology, Stanford, 1923–24. At Stanford since 1923.

CRAIG, FLORENCE M. (1234) 940 Waverley-p (PA 2052)
Reviser, Catalogue Department, Library

A.B., University of Minnesota, 1914; B.L.S., University of Illinois, 1917. Assistant, University of Minnesota Library, 1917–18; with the H. W. Wilson Company, New York City, 1925–26. At Stanford, 1918–25 and since 1926.

†CRAIG, HARDIN (4) 22 Alvarado (PA 1042R)
Acting Professor of English

A.B., Centre College, 1897; A.M., Princeton, 1899, Ph.D., 1901. Instructor in English, Princeton, 1901–5, Edgerstoune Preceptor in English, 1905–10; Professor of English, University of Minnesota, 1910–19; Professor of English and Head of Department, University of Iowa, since 1919.

†CROOK, WELTON JOSEPH (123) 9 San Juan (PA 1035)
Associate Professor of Metallurgy

A.B., Stanford, 1911, Engineer, 1919. Chemist and Assayer, Department of Mines and Water Supply, Victorian Government, Australia, 1907–8; Assistant, Department of Metallurgy, Stanford University, 1910; Chief Chemist, Pacific Coast Steel Company, South San Francisco, 1911–13; Professor of Metallurgy, State School of Mines, South Dakota, 1913–17; Metallurgical Chemist, U.S. Bureau of Mines, P.P.I.E., 1915; Metallurgist and Chief Chemist, Pacific Coast Steel Company, 1917–19, Metallurgist and Chief Inspector, 1919–20, Chief Metallurgist, 1920–21; Co-operating Analyst, U.S. Bureau of Standards, since 1920; Consulting Engineer, U.S. Bureau of Mines, 1922; Consulting Metallurgical Engineer, Pacific Coast Steel Company, San Francisco, since 1922, The D. and B. Pump and Supply Company, Los Angeles, since 1926, the Elliott Core Drilling Company, Los Angeles, since 1926. At Stanford since 1921.

†CROSS, CHARLES NORMAN (123) 26 Alvarado (PA 526W)
Associate Professor of Mechanical Engineering

M.E., Cornell, 1906. Assistant Engineer, Long Island State Hospital, Brooklyn (N.Y.), 1905; Dynamo and Switchboard Attendant with the New York Edison Co., New York City, 1905–6; Electrician with the Lackawanna Steel Co., Buffalo (N.Y.), 1906; with Turbine Research Department of General Electric Company, Lynn (Mass.), 1914–15; Consulting Engineer, Pacific Gas and Electric Co., and Palo Alto Gas Co., 1917; Efficiency Engineer, Federal Fuel Administration, 1918; Member, Committee on Revision of Boiler Safety Orders, Industrial Accident Commission of the State of California, 1921–22; Consulting and Engineering work with various corporations during summer vacations. At Stanford since 1906.

†CROWE, THOMAS B. (123) 233 Tennyson-p (PA 1908W)
Lecturer in Metallurgy

E.M., Colorado School of Mines, 1900.

†CUBBERLEY, ELLWOOD PATTERSON (234) 12 Cabrillo (PA 1019)
Professor of Education, and Dean of School of Education

A.B., Indiana, 1891; A.M., Columbia, 1902, Ph.D., 1905; LL.D., Iowa, 1923. Instructor in Science, Ridgeville College (Ind.), 1891; Professor of Physical Science, Vincennes University (Ind.), 1891–93, President, 1893–96; Superintendent of City Schools, San Diego (Calif.), 1896–98; Honorary Fellow, Columbia University, 1901–2, 1904–5; Professor of Education, University of California, Summer Sessions, 1901, 1906, University of Chicago, Summer Quarter, 1910, Harvard University, second half-year, 1910–11; Visiting Professor, Columbia University, Summer Sessions, 1907, 1914, 1916, second half-year, 1915–16. At Stanford since 1898.

†CULVER, GEORGE BLISS (1234) 505 Santa Ynez (PA 1365)
Dean of Men

A.B., Stanford, 1897; LL.B., George Washington University, 1902. With Smithsonian Institution, Washington (D.C.), 1898–99; Head of Biological Department, Los Angeles High School, 1907–20. At Stanford since 1920.

CUMMINGS, N. FLORENCE (1234) 33 Mt. Springs, SF-sf (Hemlock 3991)
Director of Social Service and Public Health Nursing, Associate Professor of Nursing

St. Luke's Hospital Training School for Nurses (New Bedford, Mass.); Simmons' College Public Health Nursing Course; Boston School of Social Work. At Stanford since 1923.

†CUSHING, OSCAR KENNEDY (123) 37 Seventh Ave., SF-sf (Pacific 987)
Lecturer in Law

†CUTTER, LAWRENCE EDMINSTER (123) 627 Webster-p (PA 459M)
Associate Professor of Mechanical Engineering

A.B., Stanford, 1906. Machinist, Apprentice, and Journeyman, Union Iron Works, San Francisco, 1895–99, 1899–1902, 1903, 1904, Draftsman, 1905, 1906. At Stanford since 1906.

†CUTTING, JAMES ARTHUR (123) Agnew-a (San Jose 1728)
Assistant Clinical Professor of Medicine (Psychiatry)

A.B., Stanford, 1906; M.D., Cooper Medical College, 1911. Interne, Lane Hospital, 1911–12, Senior Medical Interne and House Officer, 1912–13; Assistant Physician, Agnew State Hospital, since 1913. At Stanford since 1921.

†DANFORTH, CHARLES HASKELL (123) 951 Bryant (PA 1596W)
Professor of Anatomy

A.B., Tufts, 1908, A.M., 1910; Ph.D., Washington University, 1912. Fellow in Biology, Tufts College, 1908, Instructor, 1910–11; Teaching Fellow in Anatomy, Harvard Medical School, 1910–11; Instructor in Anatomy, Washington University School of Medicine, 1908–14, Associate, 1914–16, Associate Professor, 1916–22. At Stanford since 1922.

†DAVIDSON, PERCY ERWIN (234) Menlo Heights (PA 1243W)
Associate Professor of Education

A.B., Stanford, 1898; A.M., Harvard, 1905; Ph.D., Columbia, 1914. Teacher, Grammar and High Schools, San Diego (Calif.), 1898–1900; Supervisor of History and English Teaching, San Francisco State Normal School, 1900–1903; Assistant in Education, San Diego State Normal, 1903–4; Graduate Student, Teachers' College, Columbia University, 1905–7; Instructor in Logic and History of Education, New York Training School for Teachers, 1906–7. At Stanford since 1907.

†DAVIS, CHARLES WESLEY (123) 544 Byron-p (PA 111W)
Director of Intramural Sports

B.P.E., Y.M.C.A. College, Springfield (Mass.), 1918. U.S. Navy, 1918; Physical Director, Madison (N.J.), 1919–21, Cleveland Heights High School, Cleveland (Ohio), 1921–22; sometime Athletic Director, Boys' Camps, Maine, Playground Instructor, Brookline (Mass.), Commissioner, Boy Scouts, Madison (N.J.), Swimming Instructor, Venice (Calif.); Supervisor, Summer Playgrounds, Los Angeles, 1924. At Stanford since 1922.

DAVIS, GORDON ARTHUR (1234) 19 Salvatierra (PA 964W)
Director of Dramatics and Assistant Professor of English (Public Speaking)

A.B., Stanford, 1920. At Stanford since 1920.

†DAVIS, HAROLD MCDONALD (1234) 2 Governors Ave. (PA 519W)
Assistant Director of Minor Sports

B.S., University of Illinois, 1921. Assistant, Physical Education Department, University of Illinois, 1920–21, Assistant Instructor, Summer 1921; Director of Physical Education, Orange Union High School, Orange (Calif.), 1921–24. At Stanford since 1924.

†Davis, Joseph Stancliffe (1234) 13 Mirada (PA 2386J)
Director, Food Research Institute

A.B., Harvard, 1908, Ph.D., 1913. Instructor in Economics and Sociology, Bowdoin College, 1912–13; Instructor in Economics, Harvard University, 1913–17; Tutor in the Division of History, Government, and Economics, Harvard University, 1914–20; Assistant Professor of Economics, Harvard University, 1917–21; Assistant Statistician, American Shipping Mission, and Statistician of the Allied Maritime Transport Council, London, 1918–19. At Stanford since 1921.

†Davis, William Hawley (1234) 52 Lasuen (PA 2827J)
Professor of English, and Editor of University Press

A.B., Harvard, 1905; A.M., Columbia, 1908. Instructor in Public Speaking, Harvard College, Summer Sessions, 1908, 1909, and first half-year 1908–9; Professor of English and Public Speaking, Potsdam (N.Y.) State Normal School, 1909; Assistant Professor of Public Speaking, University of Kansas, 1909–10; Instructor in Public Speaking, Columbia University, Summer Sessions, 1910–12; Professor of English and Public Speaking, Bowdoin College, 1910–25. At Stanford since 1924.

†DeEds, Floyd (123) 2595 Clay, SF-sf (Walnut 894)
Assistant Professor of Pharmacology

A.B., Western Reserve, 1916, A.M., 1920; Ph.D., Stanford, 1924. Demonstrator in Biochemistry, Western Reserve University, 1916–17, 1919–20; Assistant, Pathological Laboratory, Base Hospital No. 4, Rouen, France, 1917–19; Second Lieutenant, Sanitary Corps, U.S.A., 1918; Teaching Assistant in Biochemistry, Harvard Medical School, 1920–21. At Stanford since 1921.

Dickey, Lloyd Blackwell (123) 3136 Maxwell Ave., Oakland-o (Fruitvale 7918W)
Instructor in Medicine (Pediatrics)

A.B., Fargo College, 1915; A.M., Illinois, 1917; B.S., Minnesota, 1921, M.B., 1922, M.D., 1923. Assistant in Zoölogy, University of Illinois, 1915–18; Instructor in Anatomy, University of Minnesota, 1919–1921; Assistant, Puget Sound Biological Station, 1921; Assistant in Medicine, University of Minnesota, 1922; Interne, State Hospital for Crippled Children, St. Paul (Minn.) At Stanford since 1923.

†Dickson, Ernest Charles (123) 155 S.Fernando Way,SF-sf (Sunset 4298)
Professor of Public Health and Preventive Medicine

A.B., Toronto, 1904, M.B., 1906, M.D., 1917. Assistant Demonstrator in Physiology, University of Toronto, 1904–5, George Brown Research Scholar, 1906–7; Assistant Resident Physician, Johns Hopkins Hospital, 1907–8; Instructor in Pathology and Bacteriology, Cooper Medical College, 1908–10; Assistant Professor of Pathology, Stanford, 1910–13; Captain, Canadian A.M.C., February 1918 to July 1919. At Stanford since 1910.

†Dietrich, Waldemar Fenn (123) 40 Alvarado (PA 356J)
Associate Professor of Mining

A.B., Stanford, 1913, Engineer, 1914. Acting Instructor in Mining, Stanford University, 1913–14; Engineer with Copper Queen Consolidated Mining Company, Bisbee (Ariz.), 1914–15; Engineer and later Assayer with Consolidated Arizona Smelting Company, Humboldt (Ariz.), 1916; Chief Efficiency Engineer, Cia. de Santa Gertrudis, Pachuca (Mexico), 1923–24; Ceramic Engineer, California State Mining Bureau, 1925–27. At Stanford, 1913–14, and since 1916.

†Dillon, James Root (1234) 2670 Greenwich, SF-sf (Fillmore 3071)
Associate Clinical Professor of Surgery (Genito-Urinary)

A.B., Stanford, 1908; M.D., Cooper Medical College, 1912. Assistant in Medicine (Neurology), Stanford Medical School, 1913–14, Assistant in Surgery (Genito-Urinary) since 1915. Assistant Visiting Surgeon (Genito-Urinary), San Francisco Hospital, since 1917. At Stanford since 1913.

†Doane, Rennie Wilbur (123) 10 Dolores (PA 1731J)
Professor of Zoölogy

A.B., Stanford, 1896. Assistant in Zoölogy and Botany, Washington State College, 1896–99, Assistant Professor of Zoölogy and Entomology, 1899–1901; Superintendent, Fisheries Experiment Station, Keyport (Wash.), 1901–1903. At Stanford since 1905.

†Dock, George (123) 65 N. Madison, Pasadena-p (Wakefield 6111)
Lecturer in Tropical Medicine

M.D., Pennsylvania, 1884; A.M. (honorary), Harvard, 1895; Sc.D. (honorary), Pennsylvania, 1904. Interne, St. Mary's Hospital, Philadelphia, 1884–85; Assistant in Clinical Pathology and Physician to Medical Dispensary, University of Pennsylvania, 1887–88; Professor of Pathology and Clinical Medicine, Texas Medical College and Hospital, 1888–91; Professor of Medicine, Tulane University, 1908–10; Professor of Medicine, Washington University, St. Louis, 1910–22.

†Dock, William (123) 12 Commonwealth, SF-sf (Bayview 8390)
Assistant Clinical Professor of Medicine

B.S., Washington University, 1920; M.D., Rush Medical College, 1922. Medical House Officer, Peter Bent Brigham Hospital, Boston, 1922–23, Assistant Resident Physician, 1923–24; Graduate Student, First Medical Clinic, Vienna, 1924–25; Medical Resident, Lane and Stanford Hospitals, 1925–26. At Stanford since 1926.

†Dodge, John Franklin (123) 285 Atherton, Menlo Park-mp (PA 2618M)
Lecturer on Oil Land Valuation

B.S., College of Mines, University of California, 1912; M.S., University of Southern California, 1915; E.M., University of California, 1924.

†Domonoske, Arthur Boquer (123) 48 Lasuen
Professor of Mechanical Engineering

B.S., California, 1907, M.S., 1909. Practical experience with Westinghouse Electric and Manufacturing Company, Deere and Company, C. L. Best, etc.; Instructor, University of California, 1907–10, 1911–13; Instructor, University of Illinois, 1913–15; with Holt Manufacturing Company, 1915–16; U.S.S. Board School, 1918; Assistant Professor of Mechanical Engineering, University of California, 1919–22; Chief Engineer, Doble Steam Motors Company, 1922–23; Associate Professor of Experimental Engineering, and Director of the Shops, University of California, 1923–26. At Stanford since 1926.

†Douglass, Aubrey A. (4) Stanford Union (PA 2900)
Acting Professor of Education

A.B., Kansas State Teachers College, Emporia, 1912, A.M., 1915; Ph.D., Clark University, 1917. High School Principal, 1912–14; Assistant Professor of Education, Washington State College, 1919–24; Lecturer in Education, Graduate School of Education, Harvard University, 1924–26; Summer Sessions, University of Washington, 1919, Pennsylvania State College, 1922, 1924, Harvard Graduate School of Education, 1925, 1926; Professor of Education and Head of Department, Pomona College since 1926.

†Dowrie, George William (1234) 1801 Waverley (PA 2741J)
Professor of Finance (Graduate School of Business)

A.B., Lake Forest, 1901; A.M., Chicago, 1907; Ph.D., Illinois, 1913. Fellow in Economics, University of Illinois, 1910–11, Assistant in Economics, 1911–13; Assistant Professor of Finance, University of Michigan, 1913–16, Associate Professor, 1916–17, Professor, 1917–18; Member of Staff, Guaranty Trust Company of New York, 1918; Professor of Finance, University of Minnesota, 1918–19, Dean of the School of Business, and Head of the Department of Economics, 1919–26. At Stanford since 1926.

†Drew, Elmer Reginald (123) 1321 Waverley-p (PA 1181W)
Associate Professor of Physics

B.S., California, 1888; Ph.D., Cornell, 1903. Student, University of Chicago, 1897–98, University of Berlin, 1903–5; Assistant in Physics, University of California, 1889–92, Instructor, 1892–1902. At Stanford since 1905.

†Duncan, William Bryan (23) 666 Kellogg-p
Instruction in Electrical Engineering

A.B., Stanford, 1925, Engineer, 1926. At Stanford since 1927.

Eberhard, Clara (123) 575 Grant, Santa Clara-sc (SC 8W)
Instructor in German

A.B., Stanford, 1897, A.M., 1923. At Stanford since 1923.

[†Eckart, William Rankine 1445 Bryant-p (PA 227)
Professor of Mechanical Engineering]

M.E., Cornell, 1895. Mechanical Engineer, Siemens Halske Electric Co., Chicago, 1895–96; Construction Engineer, Allison Ranch Mine, Grass Valley (Calif.), 1896–98; Testing Work for Fraser & Chalmers, in Hawaii and Mexico, 1898–99; with W. R. Eckart, Consulting Engineer, Hydraulic Power Plants and Mining Work, 1899–1903, summers of 1904–14; Consulting Engineer, Geary St. P. & O. R.R., San Francisco, 1902–6, Columbia Steel Company since 1915, C. F. Braun & Co. since 1918. At Stanford since 1903.

†Eells, Walter Crosby (4) 460 Amherst (PA 2989W)
Acting Associate Professor of Education

A.B., Whitman College, 1908; A.M., Chicago, 1911; Ph.D., Stanford, 1927. Professor of Mathematics, Whitworth College, 1911–14; Instructor in Mathematics, U.S. Naval Academy, 1914–16; Instructor in Surveying, Harvard Engineering Camp, Summer Quarter, 1916; Acting Associate Professor of Education, Stanford, Summer Quarter, 1926; Professor of Applied Mathematics, Whitman College, 1916–26.

Elmore, Garrett Henry (1234) 11 Alvarado (PA 1604W)
Acting Assistant Professor of Law

A.B., Stanford, 1923; LL.B., Harvard, 1926.

†Elmore, Jefferson (1234) 11 Alvarado (PA 1604W)
Professor of Classical Literature

A.B., Stanford, 1895, A.M., 1895, Ph.D., 1901. Vice-Principal, San Mateo School for Boys, 1887–91; Principal, Madera Academy, 1891–93; Principal of Merced County High School, 1895–97; Student, Universities of Bonn and Berlin, 1901–2; President, Pacific Coast Philological Association, 1914–15; Member of Jury for Selection of Classical Fellows in the American Academy in Rome since 1925. At Stanford since 1898.

Eloesser, Leo (123) 2152 Leavenworth, SF-sf (Graystone 5643)
Clinical Professor of Surgery

B.S., University of California, 1900; M.D., Heidelberg, 1907. Volunteer Assistant, Surgical Clinic, Heidelberg, 1906; Assistant, Cancer Institute, Heidelberg, 1906–7; Volunteer Assistant, Royal Surgical Clinic, Kiel, 1908–9; Volunteer Assistant, Augusta Hospital, Berlin, 1909; Assistant in Surgery, University of California, 1910–12; Surgeon to Reserve Hospital Ettlingen and Reserve Hospital III, IV, V, Karlsruhe, 1915–16; Major, M.C., U.S.A., November 1918 to November 1919. At Stanford since 1913.

†Ely, Leonard W. (1234) 1010 Bryant-p (PA 264)
Professor of Surgery (Orthopedics)

A.B., Columbia, 1889; M.D., College of Physicians and Surgeons, Columbia University, 1895. Captain, M.C., U.S.A., September 1917 to February 1919. At Stanford since 1913.

†Emerson, James Gordon (124) 28 Alvarado (PA 526M)
Associate Professor of English (Public Speaking)

B.S., Iowa State College, 1912; J.D., Stanford, 1915. Student, Harvard Law School, 1912–13, University of California Law School, Summer Session, 1914; Instructor in Public Speaking, Kansas State Agricultural College, 1915–16, Assistant Professor, 1916–17, Professor and Department Head, 1917–21. At Stanford since 1921.

†Emge, Ludwig Augustus (1234) 109 Edgewood, SF-sf (Sunset 4849)
Associate Clinical Professor of Obstetrics and Gynecology

B.S., Chicago, 1912; M.D., Rush Medical College, 1914. Assistant in Anatomy, University of Chicago, 1912–13; Special Worker in Pathology, Rush Medical College, 1913–14; Interne, Durant and Presbyterian Hospitals, Chicago, 1914–15; Resident and Assistant in Gynecology and Obstetrics, University of California Hospital, 1915–17. At Stanford since 1917.

†Engle, Earl Theron (123) 1610 Emerson (PA 2533W)
Instructor in Anatomy

A.B., Nebraska, 1920; A.M., Colorado, 1924; Ph.D., Stanford, 1925. Instructor in Zoölogy, Nebraska Wesleyan University, 1921–22, University of Colorado, 1922–24; University Fellow, Stanford University, 1924–25. At Stanford since 1924.

†Erwin, Ernest S. (1234) 23 Alvarado (PA 1081R)
Auditor

At Stanford since 1919.

†Espinosa, Aurelio Macedonio (123) 16 Salvatierra (PA 676J)
Professor of Romanic Languages

A.B., Colorado, 1902, A.M., 1904; Ph.D., Chicago, 1909. Assistant in Romance Languages, University of Colorado, 1901–2, Instructor, Summer Terms, 1904, 1905; Professor of Romance Languages, University of New Mexico, 1902–10; Fellow in Romance Languages and Instructor in Spanish, University of Chicago, 1908–9; Lecturer in Spanish Language and Literature, Summer Sessions, University of Chicago, 1914, University of California, 1912, 1915, 1922, 1925; Associate Editor, *Journal of American Folklore*, since 1914; Editor, *Hispania*, 1917–26; Associate Editor, *Language*, since 1925; Member of Advisory Editorial Board of *Inter-America*, since 1917; Corresponding Member of the Royal Spanish Academy, 1921; Corresponding Member of the Real Academia Hispano-Americana de Ciencias y Artes, 1921; Comendador con Placa de la Orden de Isabel la Católica, 1922; President of the American Folklore Society, 1924, 1925. At Stanford since 1910.

†Evans, Luther Harris (123) 134 Tasso
Instructor in Citizenship

A.B., Texas, 1923, A.M., 1924; Ph.D., Stanford, 1927. At Stanford since 1924.

†Faber, Harold Kniest (1234) 2080 Vallejo, SF-sf (Fillmore 3848)
Professor of Medicine (Pediatrics)

A.B., Harvard, 1906; M.D., Michigan, 1911. Medical Interne, New York Hospital, 1911–13; Resident Pathologist, Babies' Hospital, New York, 1913–14; Fellow, Rockefeller Institute, New York, 1914–15; Captain, M.C., U.S.A., February 1918 to August 1919. At Stanford since 1915.

Fairclough, Henry Rushton (123) 6 Cabrillo (PA 1479)
Professor of Classical Literature

A.B., Toronto, 1883, A.M., 1886, Litt.D., 1922; Ph.D., Johns Hopkins, 1896. Fellow in Classics, University College, Toronto, 1883–84; Classical and English Master, Brockville High School, 1884–86; Graduate Scholar, Johns Hopkins University, 1886–87, Fellow, 1887; Lecturer in Greek and Ancient History, University College, Toronto, 1887–93; Professor of Latin, University of Wisconsin, Summer Session, 1906, Columbia University, Summer Session, 1908, University of Chicago, Summer Quarter, 1910, University of California, Summer Session, 1921; Professor of Latin, American School of Classical Studies, Rome, 1910–11; Commander of Order of St. Sava, Serbia, 1920; Officier de l'Ordre de la Couronne, Belgium, 1920; Visiting Professor in Greek and Latin, Harvard University, 1925–26; President of the American Philological Association, 1926. At Stanford since 1893.

Farmer, Edward McNeil (234) 723 Hamilton (PA 2363J)
Instructor in Education (Graphic Art).

A.B., Stanford, 1923, A.M., 1926. At Stanford since 1923.

†Farnsworth, Paul Randolph (123) Menlo Heights
Assistant Professor of Psychology

A.B., Ohio State University, 1921, A.M., 1923, Ph.D., 1925. Assistant in Psychology, Ohio State, 1920–22, Special Assistant, Summer, 1922, Instructor, 1922–24; Student, University of Missouri, Summer, 1923; University Fellow, Ohio State, 1924–25. At Stanford since 1925.

†Farrington, Guy Stevens (123) 809 Francisco, SF-sf (Graystone 2315)
Lecturer on Speech Defects

Assistant, Defective Speech Clinic in Pediatrics, University of California, 1915–16; Assistant, Defective Speech Clinic, San Francisco Public Schools, 1916; Assistant, Defective Speech Clinic, Oakland Public Schools, 1917; Chief of Clinic, Defective Speech, College of Physicians and Surgeons, 1918. At Stanford since 1918.

Fast, Lisette Emery (234) 528 Lincoln
Secretary, Citizenship

A.B., Stanford, 1919; M.B.A., University of Washington, 1921. Research Assistant, Food Research Institute, Stanford University, 1922–23. At Stanford since 1922.

Fayle, Jane (4) 524 Webster
Secretary to Dr. Storey

Fearing, Flora May (Mrs.) (4) 1 Salvatierra (PA 1025)
Acting Instructor in Public Health Nursing

A.B., Stanford, 1917, A.M., 1918. Instructor in Political Science, Vassar College, 1918–19; Supervisor, Neuro-Psychiatric Cases, American Red Cross, Louisville (Ky.), 1920; Director, Psychiatric Social Investigation, Cincinnati Mental Hygiene Survey, National Committee for Mental Hygiene, 1921; Acting Instructor in Political Science, Stanford, Spring Quarter, 1921–22; Lecturer in Economics and Sociology, Mills College, 1922–23; Instructor in Citizenship, Stanford, 1923–26.

†Ferris, Gordon Floyd (1234) 667 Melville (PA 2746W)
Assistant Professor of Zoölogy

A.B., Stanford, 1916, A.M., 1918. At Stanford since 1916.

Field, John, II (123) 1636 Emerson-p (PA 2508J)
Acting Instructor in Physiology

A.B., Stanford, 1923, A.M., 1924. Assistant in Chemistry, Stanford, 1923–24, Food Research Fellow, 1924–25. At Stanford since 1923.

†Fish, Carl Russell (4) 23 Salvatierra (PA 1764W)
Acting Professor of History

A.B., Brown, 1897; A.M., Harvard, 1898, Ph.D., 1900. Instructor, Assistant Professor, Associate Professor, and Professor of History, University of Wisconsin, 1900–26; Research Associate, Carnegie Institute, Rome, 1908–9; Director, American University Union, London, 1918–19.

†Fish, John Charles Lounsbury (123) 308 Lincoln (PA 1266)
Professor of Civil Engineering

C.E., Cornell, 1892. Instructor in Civil Engineering, Cornell University, 1892–93; Division Engineer, Lake Shore & Michigan Southern Railway, New York Central—Line West, 1906–8. At Stanford since 1893.

†Fisher, Arthur Lawrence (123) 3333 Jackson, SF-sf (Fillmore 3620)
Assistant Clinical Professor of Surgery (Orthopedics)

B.S., California, 1896; M.D., Johns Hopkins, 1900. Resident House Officer, Johns Hopkins Hospital, 1900–1901; Fellow, Rockefeller Institute for Medical Research, 1901–2; Assistant Visiting Surgeon, Mount Zion Hospital, San Francisco, 1902–7; Assistant in Surgery, Lane Hospital, 1907–12; Assistant in Orthopedics, Stanford Medical School, 1912–16; Instructor in Orthopedic Surgery, University of California, 1916–19. At Stanford 1912–16, and since 1920.

†FISHER, HAROLD HENRY (123) 473 Embarcadero (PA 2364W)
Lecturer in History

A.B., Vermont, 1911. Master, The Black Hall School, 1912, Mercersburg Academy, 1912–14, The Hill School, 1914–17; Student, Summer Sessions, Columbia University, 1914, Dartmouth College, 1916; First Lieutenant, Field Artillery, 1917, Captain (A.E.F.), 1918–19; on staff of *New Republic* and *Washington* (D.C.) *Herald*, 1919–20; with American Relief Administration since 1920, Chief of Department of History and Publications, 1921–24, Curator of Archives, 1924. At Stanford since 1924.

†FISHER, WALTER KENRICK (234) 844 Laurel, Pacific Grove-pg (Monterey 407W)
Professor of Zoölogy, and Director of Hopkins Marine Station

A.B., Stanford, 1901, A.M., 1903, Ph.D., 1906. Assistant, U.S. Biological Survey, 1897–1901, 1903; Assistant, U.S. Fish Commission, 1902, 1904; Curator, Department of Invertebrate Zoölogy, California Academy of Sciences. At Stanford since 1902.

†FLETCHER, HAROLD AUGUSTUS (123) 12 West Clay Park, SF-sf (Evergreen 7230)
Clinical Instructor in Surgery (Otology, Rhinology, Laryngology)

B.S., California, 1912; M.D., Stanford, 1916. Interne, Lane Hospital, 1916–17; M.R.C., U.S.A., 1917–19. At Stanford since 1919.

†FLUHMANN, C. FREDERIC (1234) 2400 Webster, SF-sf (Walnut 652)
Assistant Professor of Obstetrics and Gynecology

B.A., University of Bishop's College, 1917; M.D., C.M., McGill, 1922. Junior Interne, Montreal General Hospital, 1922–23, Senior Interne, Gynecology, 1923–24; Johns Hopkins Hospital, Obstetrics, 1924–25. At Stanford since 1926.

FORDYCE, ELIZABETH L. (1234) 15½ Alvarado (PA 1505W)
Assistant Secretary to the President

B.S., Mills, 1916. At Stanford since 1920.

†FOSTER, BENJAMIN OLIVER (123) 22 Lasuen (PA 1021W)
Professor of Classical Literature

A.B., Stanford, 1895; A.M., Harvard, 1897, Ph.D., 1899. Parker Fellow of Harvard University, studying in the American School of Classical Studies in Rome, 1899–1900; Acting Professor of Latin and Greek, State Normal College of Michigan, 1900–1901; Assistant Professor of Latin, University of California, Summer Session, 1908, Associate Professor, 1923; Visiting Professor of Latin, University of Chicago, Autumn and Winter Quarters, 1925–26. At Stanford since 1901.

†FRANKLIN, EDWARD CURTIS (123) 16 Mirada (PA 216)
Professor of Organic Chemistry, and Dean of Graduate Study

B.S., Kansas, 1888, M.S., 1890; Ph.D., Johns Hopkins, 1894; Sc.D., Northwestern, 1925, Western Reserve, 1926. Chemist to Palo Alto Plantation and Sugar Factory, Donaldsville (La.), 1888; Chemist to the Bella Vista Mining and Milling Co., Los Quemados, Costa Rica, 1897; Instructor in Chemistry, University of Kansas, 1888–90; Student, University of Berlin, 1890–91; Assistant in Chemistry, University of Kansas, 1891–93, Associate Professor, 1894–99, Professor of Physical Chemistry, 1899–1903; Member of the U.S. Assay Commission, 1907; Chief of the Division of Chemistry, U.S. Public Health Service, Washington (D.C.), 1911–13; Member Advisory Board, Bureau of Mines, Washington (D.C.), 1917–18; Physical Chemist, Bureau of Standards, 1918; Consulting Chemist, Ordnance Bureau, 1918; President, American Chemical Society, 1924; Nichols Medal in Chemistry, 1925. At Stanford since 1903.

†FREELAND, GEORGE EARL (3) State Teachers College, San Jose-sj
Lecturer in Elementary Education

A.M., Clark, 1913, Ph. D., 1920. Principal of Training School, State Normal School, Edinboro, Pa., 1913–14, State Teachers College, Greeley, Colo., 1914–17; Associate Professor Education, University of Washington, 1917–21; Professor of Education, State Teachers College, San Jose, since 1921.

†Friend, Will A. (1234) 1026 Forest Court (PA 1884R)
Superintendent of the University Press
At Stanford since 1920.

Gale, Helen Avery (123) 940 Waverley-p (PA 2052)
Chief of Serial Department, Library
A.B., Stanford, 1909. At Stanford since 1913.

†Gardner, David Charles (123) 1a Alvarado (PA 1068)
Chaplain, and Lecturer on Biblical History and Literature
Graduate, Church Divinity School of the Pacific, 1897, D.D., 1920. Curate St. James Mission, San Francisco, 1898; Rector of All Saints Church, Palo Alto, 1898–1902. At Stanford since 1902.

†Geary, William Ducachet (123) 17 Alvarado (PA 1505J)
Professor of Military Science and Tactics (Field Artillery)
Graduate, United States Military Academy, 1907. Major, Field Artillery, U.S. Army. At Stanford since 1923.

†Gibbons, Morton Raymond (123) 3979 Washington, SF-sf (Bayview 7950)
Lecturer on Medical Aspects of Insurance
M.D., Cooper Medical College, 1897. Instructor in Clinical Medicine, Cooper Medical College, 1904–9. At Stanford 1909–16, and since 1919.

†Gilman, Philip Kingsnorth (123) 1803 Broadway, SF-sf (Fill. 7906)
Clinical Professor of Surgery
A.B., Stanford, 1901; M.D., Johns Hopkins, 1905. Assistant Resident Surgeon, Johns Hopkins Hospital, 1905–7; Assistant Professor of Pathology, Philippine Medical School, 1907–8; Assistant Professor of Surgery, College of Medicine and Surgery, University of the Philippines, 1908–12, Professor of Surgery and Chief of Department, 1912–16; Chief Surgeon, Philippine General Hospital, 1912–16; Lieutenant, M.C., U.S.N.R.F., December 1917 to February 1919; Lieutenant Commander, 1925. At Stanford since 1916.

Girard, Frank Robert (123) Bohemian Club, SF-sf (Franklin 2441)
Lecturer in Surgery
M.D., California, 1903. Volunteer Assistant, Koenigliches Krankenhaus, Berlin, Germany, 1905–6; House Pathologist and House Surgeon, St. Luke's Hospital, New York, 1906–8; Assistant Resident Physician, Sloane Maternity Hospital, New York, 1908–9; Assistant Clinical Professor of Gynecology, Stanford, 1916–25; Major, M.C., U.S.A., December 1917 to November 1919. At Stanford since 1914.

Golder, Frank Alfred (1234) Serra (PA 3157)
Professor of History
A.B., Harvard, 1903, Ph.D., 1909. Instructor in History, University of Missouri, 1908–9, in History and Economics, Boston University, 1909, in History, University of Chicago, 1910; Assistant Professor of History, State College of Washington, 1910–14, Professor, 1915–20; Investigator in Russian Archives for Carnegie Institution, Washington (D.C.), 1914–15, for Carnegie Institution and American Geographical Society, 1917; Researches for U.S. Government in connection with the War, 1917–18. At Stanford since 1921.

†Goodwin, Cardinal L. (1) 116 Montecello, Piedmont-p (Piedmont 915J)
Acting Professor of History
A.B., Brown University, 1905, A.M., 1910; Ph.D., University of California, 1916. Teaching Fellow in History, University of California, 1910–11; Teacher of History, Alameda High School, 1911–14; Head, Department of History, Stockton High School, 1914–15; Head, Department of History, Fremont High School, Oakland, 1915–18, Vice-Principal, 1917–18; Lecturer in History, Summer Sessions, University of Kansas, 1916, University of California, 1918, University of California, Southern Branch, 1923, 1926, University of Oregon, Eugene, 1919, Portland, 1924; Professor of American History, Mills College, since 1918, Dean of the Graduate School, since 1922.

GORDON, KATE (4) 19 Salvatierra (PA 964J)
Acting Associate Professor of Psychology

Ph.B., Chicago, 1900, Ph.D., 1903. Collegiate Alumnae Foreign Fellow, 1903–4; Instructor in Philosophy, Mt. Holyoke, 1904–6; Instructor in Educational Psychology, Teachers College, Columbia, 1906–7; Associate Professor of Education, Bryn Mawr, 1912–16; Assistant Professor of Psychology, Carnegie Institute of Technology, Pittsburgh, 1916–19, Associate Professor, 1919–21; Lecturer in Psychology, University of California, Southern Branch, 1922–23, Associate Professor, since 1923.

†GOTTBRATH, NORBERT J. (123) Ralston Road, Belmont-b (Belmont 37)
Clinical Instructor in Medicine (Neurology)

B.S., St. Mary's Institute (Dayton, O.), 1898; M.D., Georgetown University, 1912. Clinical Assistant, Neurological Institute, New York City, 1914–15; Attending Physician and Instructor, Vanderbilt Clinic, 1914–16; Director of Prison Survey, California Branch of American Institute of Criminal Law and Criminology, 1919–21. At Stanford since 1918.

GRAHAM, HARRINGTON BIDWELL (123) Olympic Club,SF-sf (Prosp. 4400)
Associate Clinical Professor of Surgery (Otology, Rhinology, and Laryngology)

B.S., California, 1896, M.D., 1899. Superintendent of Waldeck Sanitarium, 1899; Assistant in Surgery, San Francisco Polyclinic, 1904; Assistant, Ear, Nose, and Throat Clinic, Cooper Medical College, 1910–11; Lieutenant, U.S.N.R.F., September 1918 to February 1919. At Stanford since 1912.

†GRANT, ULYSSES SHERMAN (4) Kingscote (PA 860J)
Acting Professor of Geology

B.S., Minnesota, 1888; Ph.D., Johns Hopkins, 1893. Fellow in Biology, University of Minnesota, 1888–89; Fellow in Geology, Johns Hopkins, 1891–93; Geologist, at various times, on Geological Surveys of Minnesota, Wisconsin, Illinois, Oregon, and the United States; Instructor in Geology, University of Minnesota, 1898–99; Acting Professor of Geology, Northwestern University, 1899–1900, William Deering Professor of Geology and Head of Department of Geology and Geography, since 1900; Acting Dean, College of Liberal Arts, Northwestern University, 1907–8 and 1916–19.

†GRAY, HENRY DAVID (234) 22 Alvarado (PA 1042R)
Professor of English

Ph.B., Colgate, 1897; A.M., Columbia, 1898, Ph.D., 1904; Litt.D., Colgate, 1919. Assistant in German and French, Colgate Academy, 1896–97; University Scholar, Columbia University, 1898–1900; Instructor in Dramatic Literature, American Academy of Dramatic Arts, 1900–1902; Instructor in English, University of Texas, 1902–5; Lecturer in English, Columbia University, Summer Session, 1905, University of Oregon, Summer Session, 1910, University of Illinois, Summer Session, 1912, University of Iowa, Summer Session, 1922, University College, University of London, Michaelmas Term, 1922, Brigham Young University, Summer Session, 1925. At Stanford since 1905.

†GREEN, BOYNTON MORRIS (123) 971 Cowper (PA 2354R)
Assistant Professor of Mechanical Engineering

A.B., Stanford, 1914, M.E., 1916. Student Engineer, H. Koffers Company, Pittsburgh (Pa.), 1916; Draftsman and Construction Engineer, Federal Telegraph Company, 1917, 1919–21. At Stanford 1920, and since 1921.

†GREEN, RUFUS LOT (123) 13 Salvatierra (PA 1127J)
Professor of Mathematics

B.S., Indiana, 1885, A.M., 1889. Instructor in Mathematics, Indiana University, 1885–86; Student, Johns Hopkins University, 1886–87; Assistant Professor, Indiana University, 1886–88, Associate Professor, 1889–91, Professor of Pure Mathematics, 1891–93. At Stanford since 1893.

GRIFFING, ELIZABETH P. (MRS.) (1234) 247 Everett-Box 915, p (PA 2407)
Junior Research Associate, Food Research Institute

B.S., Simmons, 1914; A.M., Stanford, 1920. At Stanford since 1920.

†Guérard, Albert Léon (1234) 253 Gerona (PA 3005)
Professor of General Literature

A.B., Classical, A.B., Modern, Paris, 1898–99; Agrégé d'Anglais, Paris, 1906, Junior Professor of French Literature and Examiner in History, State Normal School, Paris, 1904–6; Professor of English, École des Hautes Études Commerciales, Paris, 1904–6; Instructor in French, Williams College (Mass.), 1906–7; Assistant Professor of French, Stanford, 1906–13, Associate Professor, 1913; Professor of French Civilization and Head of Romance Language Department, Rice Institute, 1913–24; Professor of French and Chairman of French Department, University of California, Southern Branch, 1924–25; Professor of French, University of Chicago, Summer, 1916, 1920, University of California, Southern Branch, Summer, 1921, 1922, 1926, University of Wisconsin, Summer, 1923. At Stanford, 1906–13, and since 1925.

†Haas, Sylvan Lewis (123) 579 Eleventh Ave., SF-sf (Pacific 8713)
Assistant Clinical Professor of Surgery

B.S., University of California, 1904; M.D., Johns Hopkins Medical School, 1908. Resident Pathologist, Lakeside Hospital, Cleveland (Ohio), 1908–9; Assistant Surgeon, Shriners' Hospital, San Francisco, since 1923. At Stanford 1912–18, and since 1923.

Hadden, Elizabeth (1234) 151 Kellogg-p (PA 734W)
Chief of Order Division, Library

At Stanford since 1901.

†Haig, Thomas Raymond (12) 2632 Fillmore, SF-sf (Fillmore 544)
Clinical Instructor in Surgery (Orthopedics)

A.B., Stanford, 1918, M.D., 1922. Senior Interne, Surgery, Lane Hospital, 1922–23; Orthopedic House Officer, Massachusetts General Hospital, Children's Hospital, Massachusetts Hospital School for Cripples, Robert B. Brigham Hospital, 1923–25. At Stanford since 1925.

Haley, Bernard Francis (124) 25 Alvarado (PA 1923W)
Assistant Professor of Economics

A.B., Stanford, 1922, A.M., 1923; A.M., Harvard, 1926. Scholar in Economics, Harvard, 1923–24, Fellow, 1925–26. At Stanford, 1924–25, and since 1926.

†Hall, Ernest Mosiah (123) 82 Allston Way, SF-sf (Sunset 9932)
Assistant Professor of Pathology

A.B., Brigham Young, 1905; M.S., State College of Washington, 1916; M.D., Stanford, 1925. At Stanford since 1925.

[†Hall, Howard Judson University, Los Altos (LA 10J)
Associate Professor of English]

B.S., Michigan State College, 1890; A.B., Stanford, 1896; A.M., Harvard, 1900. Professor of English, and Librarian, University of Arizona, 1891–1904; Instructor, Army Educational Corps, A.E.F., University, Beaune, Cote d'Or, France, 1919. At Stanford since 1904.

Hall, Victor Ernest (123) 735 Middlefield-p (PA 257W)
Acting Instructor in Biology (Physiology)

A.B., Stanford, 1922, A.M., 1925.

Hallberg, Laura Sanford (Mrs.) (1234) 358 Twenty-first Ave., SF-sf
Secretary to Dean of School of Medicine [(Evergreen 4925)

A.B., Stanford, 1917. At Stanford since 1922.

Handy, Etta Howes (1234) 215 Santa Ynez (PA 2335)
Director of Dining Halls, Women's Dormitory, and Stanford Union

B.S., Washington State College, 1921. Head Institutional Economics, Washington State College, 1918–21. At Stanford since 1921.

†Hanzlik, Paul John (1234) 819 Prospect Row, San Mateo-sm (SM 1117)
Professor of Pharmacology

Ph.C., Iowa, 1908; A.B., Illinois, 1908, A.M., 1911; M.D., Western Reserve, 1912. Demonstrator in Pharmacology, Western Reserve University, 1912–13, Instructor, 1913–15; Associate, 1915–17, Assistant Professor, 1917–20, Associate Professor, 1920–21; Pharmacological Institute and Physico-Chemical-Biological Institute, University of Vienna, 1913–14; Pharmacologist, Bureau of Mines, Department of Interior, and Captain, M.C., U.S.A., 1918. At Stanford since 1921.

†Harcourt, Robert Henry (123) 918 Cowper-p (PA 1467J)
Teaching Specialist in Forge Practice

Graduate, Santa Barbara State Normal School. 1917. Apprentice and Blacksmith with Risdon Iron Works, San Francisco, 1898–1901, 1903–4; with Hammond Car and Elevator Company, San Francisco, 1901–2, 1904–5; with National Iron Works, San Francisco, 1902–3; Toolman with Abner Doble Steel Company, San Francisco, 1905–6, Foreman of Forge Shop, 1906–7; Instructor in Machine Shop Practice, Forge Practice, and Sheet Metal Work, State Normal School, Santa Barbara, Summer Session, 1919. At Stanford since 1907.

Harris, Helen M. (4) 147 Emerson-p (PA 524M)
Executive Assistant, Food Research Institute

At Stanford since 1927.

†Harrison, George Russell (123) 32 Salvatierra (PA 2414)
Assistant Professor of Physics

A.B., Stanford, 1919, A.M., 1920, Ph.D., 1922. Instructor in Physics, Stanford, 1919–23; Associate Physicist, Bureau of Standards, Summer, 1921; National Research Fellow in Physics, Harvard, 1923–25. At Stanford 1919–23, and since 1925.

Hartman, George Washington (123) 1005 Hyde, SF-sf (Graystone 6791)
Lecturer on Genito-Urinary Surgery

B.S., California, 1903; M.D., Johns Hopkins, 1908. Resident Physician, French Hospital, New York, 1908, Flushing Hospital, New York, 1909; Adjunct in Urology, German Hospital, 1909–18; Urologist, Franklin Hospital, San Francisco, 1918; Assistant, Urological Clinic, San Francisco Polyclinic, 1912–18; Chief of Clinic, San Francisco Polyclinic, 1918. At Stanford since 1919.

†Hartman, Hans (123) 2401 Sacramento, SF-sf (Walnut 4048)
Clinical Instructor in Surgery

A.B., Stanford, 1921, M.D., 1924. At Stanford since 1926.

Hays, Alice Newman (1234) 3 Alvarado (PA 1052J)
Reference Librarian

A.B., Stanford, 1896; B.L.S., New York State Library School, 1903. Assistant, Home Education Department, New York State Library, 1901. At Stanford since 1901.

†Heath, Harold (1234) 181 Ocean View, Pacific Grove-pg (PG 820R)
Professor of Zoölogy

A.B., Ohio Wesleyan, 1893; Ph.D., Pennsylvania, 1898; D.Sc., Ohio Wesleyan, 1919, Assistant in Biology, Ohio Wesleyan University, 1891–93; Professor of Biology, University of the Pacific, 1893–94; Harrison Fellow in Zoölogy, University of Pennsylvania, 1896–98. At Stanford since 1894.

†Henline, Henry Harrison (1) 1410 Middlefield (PA 1744)
Associate Professor of Electrical Engineering

B.S., Illinois, 1914. Instructor in Science and Mathematics, Oktaha (Okla.) High School, 1914–15; Graduate, Chicago Cent al Station Institute, 1916; with Commonwealth Edison Co., 1916–17. At Stanford since 1917.

†Hepner, Walter Ray (4) 244 Seale-p (PA 1224M)
Acting Assistant Professor of Education

A.B., University of Southern California, 1913, A.M., 1916. Graduate Student, University of Chicago, and High School Instructor in Sciences, University of California, 1913–18; Bureau of Standards Detachment, Chemical Warfare Service, Washington (D.C.), 1918–19; Principal, Long Beach Evening High Schools, 1919–20; Vice Principal, Fresno High School, 1920–23; Assistant Superintendent of Schools, Fresno, 1923–26, Superintendent since 1926; Instructor in Education, San Jose State Teachers College, Summer Session, 1923.

†Hill, Harold Phillips (123) 3625 Jackson, SF-sf (Bayview 7716)
Clinical Professor of Medicine

A.B., Stanford, 1898; M.D., California, 1901. Assistant in Physiology, Department of Medicine, University of California, 1899–1901, Instructor, 1901–3; Assistant Visiting Physician, St. Luke's Hospital, 1903–6, Visiting Physician, 1906–20; Chief of Staff, St. Luke's Hospital. At Stanford since 1912.

†Hill, Henry Granville (123) 465 S. Fifteenth, San Jose-sj (SJ 1863)
Lecturer in Law

A.B., Stanford, 1909, J.D., 1911.

Hill, Sallie (4) Barker Hotel-p (PA 636)
Acting Assistant Professor of Education

A.B., University of Washington, 1911. Graduate Student, Reed College and University of California; Instructor, Queen Anne High School, Seattle (Wash.) and Mission High School, San Francisco.

Hitchcock, Jeannette McCrory (1234) 1 Salvatierra (PA 1205)
Cataloguer, Library

A.B., Stanford, 1915; B.L.E., University of Washington, 1918. At Stanford since 1923.

Hobe, Adelaide M. (1234) Menlo Park-R.D., Box 41, mp (MP 801J)
Junior Statistical Associate, Food Research Institute

At Stanford since 1922.

†Hohlfeld, Alexander Rudolf (4) 35 Salvatierra (PA 593)
Acting Professor of German

Ph.D. Leipzig, 1888. Instructor in French, Vanderbilt University, 1889–90, Adjunct Professor of Romance Languages, 1890–92, Professor of Germanic Languages 1892–1901; Professor of German and Chairman of the Department, University of Wisconsin, since 1901; Professor of German, University of Chicago, Summer Quarter, 1904; President Modern Language Association, 1913.

†Holden, Paul E. (123) 640 Seneca-p (PA 2970J)
Professor of Industrial Management (Graduate School of Business)

B.S., Purdue, 1915. With E. C. Atkins & Co., Indianapolis, Ind., 1915–17; Captain, Ordnance Dept., U.S. Army, 1917–19; Production Manager, Canadian plant, E. C. Atkins & Co., at Hamilton, Ontario, 1919–20; Assistant Production Manager, Remington Typewriter Company, Ilion, N.Y., 1920–21; Engineer, Library Bureau, Ilion, N.Y., 1921–22; Assistant Manager, Department of Manufacture, U.S. Chamber of Commerce, 1922–26. At Stanford since 1926.

†Holman, Emile Frederic (1234) 112 Walnut, SF-sf (Walnut 4849)
Professor of Surgery

A.B., Stanford, 1911; B.A., Oxford, 1916; M.D., Johns Hopkins, 1918. Casualty House Surgeon, Radcliffe Infirmary, Oxford, 1916–17; Resident Medical Officer, Children's Hospital, Baltimore, 1918–19; Research Fellow, Hunterian Laboratory of Experimental Surgery, 1918–19; Assistant Resident Surgeon, Johns Hopkins Hospital, 1919–21, Resident Surgeon, 1921–23; Instructor in Surgery, Johns Hopkins

Medical School, 1920–23; Resident Surgeon, Peter Bent Brigham Hospital, Boston, 1923–24; Austin Teaching Fellow, Harvard Medical School, 1923–24; Assistant Professor of Surgery, Western Reserve University Medical School, 1924–25; Attending Surgeon, Lakeside Hospital, Cleveland, 1924–25. At Stanford since 1925.

†HOOVER, THEODORE JESSE (123) 37 Salvatierra (PA 2365)
Professor of Mining and Metallurgy, and Dean of the School of Engineering

A.B., Stanford, 1901. Assayer, Superintendent, Manager, Consulting Engineer, Managing Director, Director, and President of many mining companies in America, Europe, Asia, Africa, and Australia, 1901–19. At Stanford since 1919.

†HOTCHKISS, WILLARD EUGENE (1234) 8 Cabrillo (PA 2556)
Dean of Graduate School of Business

Ph.B., Cornell, 1897, A.M., 1903, Ph.D., 1905. Instructor in Political Science, University of Pennsylvania, 1904–5; Assistant Professor of Political Science, Northwestern University, 1905–7, Associate Professor, 1907–9, Professor, 1909–17, 1921–25; Dean, School of Commerce, 1908–17; Professor of Economics and Director of Business Education, University of Minnesota, 1917–19; Acting Professor of Political Science, Stanford University, 1915–16, University of California, Summer Session, 1916; War Labor Counselor, Inland Empire Logging Camps, 1917–18; Secretary, Shipbuilding Labor Adjustment Board, 1918–19; Labor Manager, National Wholesale Tailors' Association, 1919–20; Executive Director, National Industrial Federation of Clothing Manufacturers, since 1920; Educational Adviser, Institute of American Meat Packers, 1923. At Stanford since 1925.

†HOTELLING, HAROLD (1234) Stanford Univ., (PA 4J4)
Research Associate, Food Research Institute

A.B., University of Washington, 1919, M.S., 1921; Ph.D., Princeton, 1924. Assistant in Mathematics, University of Washington, 1920–21; University Scholar, University of Chicago, Summer Quarter, 1920; J.S.K. Fellow in Mathematics, Princeton University, 1921–22, Instructor, 1922–24. At Stanford since 1924.

HUGGINS, MAURICE LOYAL (123) 5 Stanford Union (PA 2900)
Assistant Professor of Chemistry

A.B., B.S., California, 1919, M.S., 1920, Ph.D., 1922. Assistant in Chemistry, California, 1919–20, University Fellow in Chemistry, 1920–21, Du Pont Fellow, 1921–22; National Research Fellow in Chemistry, Harvard, 1922–23; California Institute of Technology, 1923–25. At Stanford since 1925.

†HULME, EDWARD MASLIN (1234) 638 Channing (PA 399M)
Professor of History

A.B., Stanford, 1897; A.M., Cornell, 1902. University Scholar, Harvard University, 1900–1901; Cornell Traveling Scholar at Collège de Sorbonne, 1902; Student in Europe, 1919–20; Instructor in Literature and History, High School, Portland (Ore.), 1897–1900; Assistant Professor of History, University of Idaho, 1902–5, Associate Professor, 1905–6, Professor, 1906–21, Dean of College of Letters and Science, 1917–21; Acting Professor of European History, Stanford University, Winter Quarter, 1918; Professor of European History, University of California, Summer Session, 1918; Professor of European History, University of Chicago, 1919; Professor of European History, University of Oregon, Summer Session, 1925, 1926. At Stanford since 1921.

†HUNT, ERNEST PAUL (1234) 127 Harriett-p (PA 1834R)
Director of Basketball and Freshman Sports

A.B., Indiana, 1913. Assistant in Physical Education, Indiana University, 1910–13; Director of Physical Education, Linton (Ind.), 1913–14, Monte Vista (Colo.), 1914–16; Supervisor of Physical Education, Waco (Tex.) Public Schools, 1916–18, Berkeley High School, 1918–21. At Stanford since 1922.

†HUNTER, FREDERICK MAURICE (4) 5401 Belgrove, Oakland-o (Pied. 8967)
Acting Professor of Education

A.B., University of Nebraska, 1905; A.M., Columbia University, 1919; Ed.D., University of California, 1925. Professor of Agricultural Education and Principal of the School of Agriculture, University of Nebraska, 1911–12; Superintendent of City

Schools, Lincoln (Neb.), 1912–17; Superintendent of City Schools, Oakland, since 1917; Lecturer in Education, Teachers College, Columbia University, Summer Sessions, 1918, 1919; Lecturer in Education, University of California, Intersession and Summer Sessions, 1923, 1924, 1925, 1926; President of the N.E.A., 1920–21.

†HURWITZ, SAMUEL H. (123) 2659 Filbert, SF-sf (Walnut 36)
Assistant Clinical Professor of Medicine

A.B., Harvard, 1907, A.M., 1908; M.D., Johns Hopkins, 1912. Medical House Officer, Johns Hopkins Hospital, 1912–13; Surgical House Officer, Peter Bent Brigham Hospital, Boston, 1913–15; Instructor in Research Medicine, Hooper Foundation for Medical Research, University of California, 1915–17; Assistant Clinical Professor of Medicine, University of California Medical School, 1917–26; Chief, Medical Department, Mount Zion Hospital, San Francisco, since 1918. At Stanford since 1926.

HUSTON, MARGARET DAVIDSON (MRS.) (1234) 21 Salvatierra (PA 644)
Secretary, Committee on Scholarship

Ph.B., University of Chicago, 1903. At Stanford since 1922.

[†HYDE, JAMES MACDONALD 260 Churchill (PA 768W)
Professor of Metallurgy]

A.B., Stanford, 1901. Curator, California State Mining Bureau, 1901–2; Assistant Professor of Mining and Metallurgy, University of Oregon, 1903–6; Metallurgist, Guanajuato Consolidated Mining and Milling Co., Guanajuato (Mexico), 1906; Superintendent, Manhattan Ore Reduction and Refining Company, 1907; Field Agent, Mexican Syndicate, 1910; Consulting Engineer and Independent Operator, 1907–19. At Stanford since 1919.

†ICHIHASHI, YAMATO (123) 7 Salvatierra (PA 1477W)
Associate Professor of Japanese History and Government

A.B., Stanford, 1907, A.M., 1908; Ph.D., Harvard, 1914. Assistant in Economics, Stanford University, 1908–10; Special Agent for U. S. Immigration Commission, 1908–10; Graduate Student, Harvard University, 1910–12, Henry Bromfield Roger Memorial Fellow in Sociology, 1911–12; Adviser to Government Delegates of Japan, First International Labor Conference, Washington (D.C.), 1919; Confidential Secretary to the Japanese Senior Delegate, Washington Conference, 1921–22. At Stanford 1908–10, and since 1913.

†INMAN, THOMAS GEORGE (123) 4547 California, SF-sf (Pacific 7036)
Associate Clinical Professor of Medicine (Neurology)

Ph.G., California College of Pharmacy, 1892; M.D., Cooper Medical College, 1894, Assistant Demonstrator of Anatomy, Cooper Medical College, 1895–1900; Instructor in Applied Anatomy, 1900–11; Assistant Surgeon, St. Luke's Hospital, San Francisco, 1906–13; Neurological Institute, Frankfurt-am-Main, 1913; Berlin, Paris, 1914; Visiting Neurologist, St. Luke's Hospital, San Francisco, 1915–21, and since 1924; Lieutenant, U.S.N.R.F., December 1917 to February 1919. At Stanford since 1915.

†IRVING, LAURENCE (234) Santa Cruz
Assistant Professor of Physiology

A.B., Bowdoin, 1916; A.M., Harvard, 1917; Ph.D., Stanford, 1924. At Stanford since 1924.

†JACKSON, JACOB HUGH (123) 27 Salvatierra (PA 1511)
Professor of Accounting (Graduate School of Business)

A.B., Simpson College, 1912; M.B.A., Harvard University, 1920. C.P.A. (Wisconsin) 1919, (Massachusetts) 1920; Instructor in Bookkeeping, Davenport (Ia.), and St. Louis (Mo.), High Schools, 1913–16; Assistant Professor of Commerce, University of Oregon, 1916–17; Travelling Fellow, the American University, 1917–18; Assistant Professor of Accounting, University of Minnesota, 1918–19; Assistant Professor of Accounting, Harvard University, 1920–21, Professor of Accounting, 1923–26; Lecturer in Auditing, New York University, 1922–23, University of Chicago, Summer Quarter, 1923; Associated with Price, Waterhouse & Company, New York and Boston, 1921–26. At Stanford since 1926.

JACOBSEN, LYDIK SIEGUMFELDT (123) 15 Stanford Union (PA 2900)
Assistant Professor of Mechanical Engineering

A.B., Stanford, 1921. Engineering Research with Westinghouse Electric and Manufacturing Company, East Pittsburgh (Pa.), 1921–24. At Stanford since 1924.

†JAMES, VERN (123) 604 Tennyson-p (PA 689R)
Instructor in Mathematics

A.B., Indiana University, 1912; A.M., Columbia, 1916; Ph.D., Stanford, 1927. Instructor, Michigan Agricultural College, 1916–17; Instructor, Carnegie Institute of Technology, 1917–22, Assistant Professor, 1922–24. At Stanford since 1926.

†JOHNSTON, ARTHUR M. (1234) 34 Salvatierra (PA 1042J)
Executive Assistant, Food Research Institute

At Stanford since 1923.

†JOHNSTON, OLIVER MARTIN (124) 4 Alvarado (PA 1040R)
Professor of Romanic Languages

A.B., Mississippi College, 1890, A.M., 1892; Ph.D., Johns Hopkins, 1896 Principal, Preparatory Department, Mississippi College, 1890–91, Professor of English, 1891–93; Fellow in Johns Hopkins University, 1895–96; Lecture in French Philology, Bryn Mawr College, 1896–97; Secretary, Pacific Coast Philological Association, 1909–13, President, 1917; Professor of French, University of California, Summer Session, 1919. At Stanford since 1897.

JONES, ELIOT (134) 31 Salvatierra (PA 1923M)
Professor of Economics

A.B., Vanderbilt, 1906; A.M., Harvard, 1908, Ph.D., 1913. Instructor in Economics, Harvard University, 1912–13, University of Pennsylvania, 1913–14; Associate Professor of Economics, Iowa State University, 1914–16; Professor of Economics, University of Texas, 1916–17; Federal Trade Commission, 1917; War Industries Board, 1918; Lecturer in Economics, University of California, Summer Session, 1920, 1921, 1924; McKinley Professor of Public Utilities, University of Illinois, 1924–25; Lecturer in Economics, University of Chicago, Summer Quarter, 1925. At Stanford since 1917.

KATZ, LOUISE WALDMAN (1234) 1 Salvatierra (PA 1025)
Cataloguer, Hoover War Library

B.S., Cornell, 1900. Graduate work in History, Cornell University, 1900–1901; Student, New York State Library School, Albany (N.Y.), 1901–3; Cataloguer, University of California, 1903–11; Special Cataloguer, University of Illinois, 1913–14; Catalogue Reviser, University of Minnesota, 1914–16; Cataloguer, Lane Medical Library, 1917–20; Catalogue Reviser and Classifier, University of Minnesota, 1920–21. At Stanford 1916–17, and since 1921.

†KAY, WILLARD E. (123) 2595 Clay, SF-sf (Fillmore 8639)
Clinical Instructor in Medicine

A.B., Stanford, 1912, A.M., (in Medicine), 1915, M.D., 1916. Junior and Senior Interneships, Lane Hospital, 1916–18; U.S.A. Medical Corps (Base and General Hospitals), 1918–20; U.S. Public Health Service (P.A. Surgeon), 1920–22. At Stanford 1913–14, and since 1923.

†KELIHER, JOHN (1234) 31 Lasuen (PA 2944)
Associate Professor of Military Science and Tactics (Field Artillery)

Graduate, United States Military Academy, 1915. Major, Field Artillery, U.S. Army. At Stanford since 1925.

†KELLEY, TRUMAN LEE (124) 1 San Juan (PA 1646)
Professor of Education and Psychology

A.B., Illinois, 1919, A.M., 1911; Ph.D. Columbia, 1914. Consulting Psychologist, Culver Military Academy, 1913–14; Adjunct Professor of Educational Psychology, University of Texas, 1914–17; Assistant Professor of Education, Teachers' College, Columbia University, 1917–21; engaged in Psychological and Statistical Work for

Surgeon General's Office, Adjutant General's Office, and for Committee on Education and Special Training, 1917–18; Chief Statistician, Elementary School Intelligence Examination Board of National Research Council, Summer, 1918. At Stanford since 1921.

†KELLY, THOMAS HENSHAW (123) 2936 Divisadero, SF-sf (Fillmore 5518)
Clinical Instructor in Medicine

M.D., University of Cincinnati, 1914. Interne, Cincinnati General Hospital, 1914–15; Instructor in Medicine (full-time), University of Cincinnati, 1915–19; Medical Director, St. Francis Hospital, San Francisco, 1920; First Lieutenant, Captain, Major, M.C., U.S.A., 1917–19. At Stanford since 1921.

†KENNEDY, ARTHUR GARFIELD (123) 435 Coleridge (PA 1446)
Associate Professor of English Philology

A.B., Doane College, 1902; A.M., Nebraska, 1905; Ph.D., Stanford, 1914. Teacher, Chadron (Nebr.) Academy, 1902–4, Norfolk (Nebr.) High School, 1905–8; Instructor in German and English, Spearfish (S.D.) State Normal School, 1908–12. At Stanford since 1914.

†KENNEY, WILLIAM (123) 1379 Sixth Ave., SF-sf (Sunset 1310)
Clinical Instructor in Medicine

M.D., California, 1905. Resident Physician, St. Luke's Branch Hospital, 1906–8; Resident Physician, Relief House, 1908–14. Assistant in Medicine, Stanford Medical School, 1914–16, and since 1917.

†KERR, PAUL FRANCIS (4) Santa Paula-sp
Acting Assistant Professor of Geology

B.S., Occidental, 1919; Ph.D., Stanford, 1923. Acting Instructor in Geology, Stanford, Autumn Quarter, 1923, Acting Assistant Professor, Summer Quarter, 1926; Instructor in Mineralogy, Columbia University, 1924–26, Assistant Professor, 1926–27.

†KINDY, WARD B. (123) 566 Everett-p (PA 2534J)
Assistant Professor of Electrical Engineering

B.E.E., Ohio State, 1916. Electrical Inspector, U.S. Army Signal Corps, 1916–17; Aerial Gunnery Instructor, U.S. Naval Air Station, Key West, 1918; Instructor in Electrical Engineering, Iowa State College, 1920–21. At Stanford since 1921.

†KINGSTON, JOHN JOSEPH (123) 231 Thirty-second Ave., SF-sf
Clinical Instructor in Medicine (Pediatrics) [(Evergreen 5070)

M.D., California, 1921. Interne, University Hospital, 1920–21; Assistant in Pediatrics, University Hospital, 1921–22. At Stanford since 1923.

†KIRKWOOD, MARION RICE (123) 249 Lowell (PA 2120W)
Professor of Law, and Dean of the School of Law

A.B., Stanford, 1909. J.D., 1911; LL.D., University of Southern California, 1926. Assistant Professor of Law, University of Oklahoma, 1911–12; Acting Professor of Law, Cornell, Summer Session, 1927. At Stanford since 1912.

KITTEL, PAULA MARGARETHA (4) 1 Salvatierra (PA 1025)
Acting Instructor in German

Ph.B., University of Chicago, 1920; A.M., Stanford, 1923. Instructor, German and English, State Teachers College, Valley City (N.D.), since 1924.

†KROLL, FREDERICK WALTER (123) 1242 Washington, SF-sf
Clinical Instructor in Medicine [(Prospect 2300)

M.D., Cooper Medical College, 1912. Assistant, Obstetrics and Gynecology, 1914; Instructor, Materia Medica, Lane Hospital, 1913–14; Assistant in Medicine, 1914–22; Captain, M.R.C., U.S.A., 1916–18. At Stanford, 1913–14, 1916–17, and since 1919.

LAING, MARY EVELYN (234) 1001 Cowper (PA 2065)
Research Associate, Chemistry

Sc.D., University of Bristol, 1922. Research Associate, University of Bristol, 1922–26; Awarded Ellen K. Richards Prize in Chemistry. At Stanford since 1926.

LANDIS, MAUDE (1234) 2340 Clay, SF-sf (West 6193)
Superintendent of Nurses, and Professor of Nursing

A.B., Kansas, 1897; Graduate, Scarritt Hospital Training School, 1900. Graduate Study, Presbyterian Hospital, Chicago, 1905; Graduate Study, Department of Nursing and Public Health, Columbia University, 1917; Superintendent of Hospitals and Training Schools, 1901–17; Member, Missouri State Board of Examination and Registration of Nurses, 1909–14; Educational Director, Lakeside Hospital Training School, Cleveland (Ohio), 1917–18; Director, Connecticut Training School for Nurses, in affiliation with Yale University Medical School, 1918–21. At Stanford since 1921.

LANGNECKER, HARRY LESLIE (1234) 1711 Webster-p (PA 854)
Associate Clinical Professor of Surgery (Orthopedics)

A.B., Stanford, 1901; M.D., Johns Hopkins, 1906. Orthopedic House Officer, Massachusetts General Hospital, 1908, Assistant in Orthopedic Out-Patient Department, 1909–10, Assistant Resident Physician, 1911–13, Assistant to Orthopedic Surgeon-in-Chief, 1913–15; Lieutenant, M.C., U.S.N.R.F., April 1917 to March 1919. At Stanford since 1915.

†LANZ, HENRY (1234) 786 Melville-p (PA 509)
Assistant Professor of Slavic Languages

Ph.D., Heidelberg, 1911. Student, Imperial University, Moscow, 1904–6, Heidelberg, 1906–11; Instructor-elect in Logic, Reform Gymnasium, and Lecturer in Aesthetics, Beethoven School of Music, Moscow, 1914. At Stanford since 1918.

LAPE, FREDERICK H. (123) 19 Salvatierra (PA 964J)
Instructor in English

A.B., Cornell, 1921. At Stanford since 1923.

LAYMAN, MARY H. (12) 2116 Pacific, SF-sf (Walnut 5255)
Assistant Clinical Professor of Medicine (Pediatrics)

M.D., Ludwig-Maximilian University, Munich, 1913. Assistant, Medical and Pediatric Clinic, Munich, 1915–16; Assistant, Pediatric Clinic, Stanford Medical School, since 1917; Assistant Visiting Physician, Pediatrics, San Francisco Hospital, 1918–20. At Stanford since 1917.

LEARNED, HENRY BARRETT (2) Stanford University
Acting Professor of History

A.B., Harvard, 1890, A.M., 1897; Ph.D., Yale, 1909. Assistant in History, Harvard, 1897–98; Instructor in History, Yale, 1900–1906; Lecturer, Wesleyan University, Middletown (Conn.), 1909–10; Special Agent, Department of Justice, Washington (D.C.), 1917–19; Lecturer in European History, Stanford, 1920, 1921, Acting Associate Professor, 1922.

†LEE, RUSSEL VAN ARSDALE (123) 320 Embarcadero (PA 2210)
Assistant Clinical Professor of Therapeutics

B.S., California, 1917; M.D., Stanford, 1920. At Stanford since 1921.

LEE, RUTH DORINDA TOLDERVY (1234) 4 Lasuen (PA 1746J)
Secretary to Dr. Alsberg, Food Research Institute

A.B., Stanford, 1922. At Stanford since 1925.

LEES, KATHERINE E. (123) ROBLE (PA 2214)
House Director (Roble Hall)

B.S., University of Wisconsin, 1921. At Stanford since 1926.

†Lemos, Pedro J. (1234) 460 Churchill (PA 396J)
Director of the Museum and Art Gallery

Assistant Professor of Etching and Lettering, University of California, 1910–11, Professor of Design and Applied Arts, 1911–12; Director of San Francisco Institute of Art, 1912–17; Exhibitor, Pennsylvania Academy of Fine Arts, Carnegie Institute, Pittsburgh, Brooklyn Museum of Fine Arts, Chicago Art Institute, New York Galleries, Panama-Pacific International Exposition; editor of the *School Arts Magazine*. At Stanford since 1917.

§Lenox, Lionel Remond (123)
Professor of Analytical Chemistry

Ph. B., Columbia, 1888. Assistant Chemist, Bethlehem Steel Co., 1887; Instructor in Chemistry, Lehigh University, 1888–91; Chemist, Ordnance Department, U.S.N., Washington (D.C.), 1891–92; Chief Chemist, Conkling Iron Co., 1888–92; Chemist, Allan Cement Co., 1890–91. At Stanford since 1892.

†Lesley. Everett Parker (123) 18 Alvarado (PA 1570)
Professor of Mechanical Engineering

A.B., Stanford, 1897; M.M.E., Cornell, 1905. Apprentice and Foreman in Union Iron Works, San Francisco, 1897–1903; Assistant Inspector to Naval Constructor, 1903–4; Draftsman at U.S. Experimental Model Basin, Washington (D.C.), 1905–7. At Stanford since 1907.

Lewis, John Kent (234) Lane Hospital, SF-sf (West 6193)
Clinical Instructor in Medicine

A.B., Stanford, 1918, M.D., 1922. Junior Interne, Lane Hospital, 1921–22; Resident in Medicine, Lane Hospital, 1923–25.

†Liggett, James Bennett (123) 760 Waverley-p (PA 824J)
Teaching Specialist in Foundry Practice

Apprentice and Foundry Molder, Falls Rivet and Machine Co., Cuyahoga Falls (Ohio), 1883–88, Webster, Camp & Lane, Akron (Ohio), 1888–93, Bowler & Co., Cleveland (Ohio), 1893–98, Cleveland Steel Casting Co., 1898–99; Foreman, Born Steel Range Co., Cleveland (Ohio), 1899–1902, Westinghouse Electric Co., Cleveland (Ohio), 1902. At Stanford since 1902.

†Litoshenko, Leon Nicolaebick (23) 2 Constanto
Lecturer in History

Longyear, Hilda (1234) 271 Addison (PA 2214)
Assistant Director (Encina Commons)

B.S., Cornell University, 1926. At Stanford since 1926.

[Lothrop, Margaret Mulford 6 Cabrillo (PA 1479)
Instructor in Economics]

A.B., Smith, 1905; A.M., Stanford, 1915. At Stanford since 1915.

†Lovell, Howell (123) 865 Sunnyhill, Oakland-o (Holiday 9487)
Lecturer in Legal Medicine

Member of the San Francisco Bar.

†Luck, James Murray (124) 301 Pope-p (PA 2965J)
Acting Assistant Professor of Chemistry

A.B., University of Toronto, 1922; Ph.D., Cambridge University, 1925. Student, Royal Commission for the Exhibition of 1851, 1922–25; Demonstrator in Biochemistry, University of Toronto, 1925–26.

§ Deceased, July 25, 1927.

LUM, DONALD DYER (123) 1200 San Antonio, Alameda-a (A 272)
Clinical Instructor in Medicine

A.B., California, 1919, A.M., 1920; M.D., Harvard, 1922. At Stanford since 1924.

†LUTTRELL, PETER HARRISON (123) 2617 Sacramento, SF-sf (West 7619)
Clinical Instructor in Medicine (Gastro-Intestinal)

M.D., Cooper Medical College, 1908. Interne, Lane Hospital, 1908–9; Assistant, Medical Clinic, Cooper Medical College, 1908–12, Instructor in Physical Diagnosis, 1909–10; Assistant, Medical Clinic, Stanford Medical School, 1912–14. At Stanford 1918–20, and since 1921.

†LUTZ, HARLEY LEIST (123) 1400 Webster-p (PA 1028)
Professor of Economics

A.B., Oberlin, 1907; A.M., Harvard, 1908, Ph.D., 1914. Professor of Economics, Oberlin College, 1909–23, Head of Department, 1914–23; Economic Adviser, Joint Taxation Commission, Ohio General Assembly, 1919; Adviser, Washington Tax Investigating Committee, 1922; Member, Commission of Financial Advisers to Chile, 1925; Member, American Financial Commission to Poland, 1926. At Stanford since 1923.

LUTZ, RALPH HASWELL (23) 90 Serra (PA 2778)
Associate Professor of History

A.B., Stanford, 1906; LL.B., Washington, 1907; Ph.D., Heidelberg, 1910. Student, Universities of California, Summer, 1906, Bonn and Heidelberg, 1907–10, Berlin, Summer, 1913; Instructor in History, University of Washington, 1911–16, Assistant Professor, 1916–20; Lecturer in European History, Stanford University, 1915–16. At Stanford, 1915–16, and since 1920.

LYNCH, JAMES ERIC (3) 131 Fountain, Pacific Grove-pg
Acting Instructor in Zoölogy (Hopkins Marine Station)

A.B., University of Nebraska, 1917, A.M., 1921. Fellow in Zoölogy, University of Nebraska, 1917–18, 1919–20; Graduate Student, Washington University (St. Louis), 1922–23, 1923–24; Assistant in Anatomy, Washington University College of Medicine, 1923–24; Graduate Student and Teaching Fellow in Zoölogy, University of California, 1925–27.

†LYON, LEONARD SAXTON (123) 708 National City Bank Bldg.
Lecturer in Law [Los Angeles-la (Faber 3160)

A.B., Stanford, 1918.

LYSAGHT, GEORGE WILLIAM (1) Los Altos-Box 231B, la
Instructor in Economics

A.B., Stanford, 1924, A.M., 1925. At Stanford since 1926.

†MCBAIN, JAMES WILLIAM (234) 1001 Cowper (PA 2065)
Professor of Chemistry

A.B., University of Toronto, 1903, A.M., 1904; Ph.D., Heidelberg, 1908; Hon. Sc.D., Brown University, 1923. Lecturer in Physical Chemistry, University College, Bristol, England, 1906–19, Leverhulme Professor of Physical Chemistry, 1919–26; President, Association of University Teachers, Great Britain, 1922–23; President, Bristol University Alumni Association, 1923–26; Visiting Professor, University of California, 1926; Vice-President, Faraday Society, 1926–27. At Stanford since 1926.

†MCCABE, EDWARD RAYNSFORD WARNER (4) 17 Alvarado
Professor of Military Science and Tactics (Field Artillery)

Graduate, Infantry and Cavalry School, 1906, Mounted Service School, 1907, Field Artillery School (Advanced Course), 1924. Student, University of Virginia, September, 1896, to January, 1900; entered the Regular Army, 1900; Lieutenant Colonel, Field Artillery. At Stanford since 1927.

McClanahan, Margaret Hope (234) 2340 Clay, SF-sf (West 6193)
Instructor in Practice of Nursing
A.B., Cornell University, 1916. At Stanford since 1924.

McClelland, John (1234) Menlo Park-Box 5, mp
Acting Instructor in English
A.B., Stanford, 1924, A.M., 1925. At Stanford since 1925.

†MacClintock, Paul (1) 1 Salvatierra (PA 1025)
Acting Associate Professor of Geology
S.B., Chicago, 1912, Ph.D., 1920. Fellow, University of Chicago, 1914–15, Assistant, 1916–17, 1919–20, Instructor, 1920–26, Dean in the Colleges, since 1925, Assistant Professor, since 1926.

McCracken, Mary Isabel (123) 1 Arguello (PA 1127W)
Associate Professor of Zoölogy
A.B., Stanford, 1904, A.M., 1905, Ph.D., 1908. Student, Paris and London, 1913–14. At Stanford since 1904.

McCully, Leona Hadley (Mrs.) (4) 1035 Bryant-p (PA 759W)
Acting Assistant Professor of Education
A.B., Indiana University, 1905. Teacher of History, Evansville (Ill.) High School, 1905–7; Instructor in Psychology, State Teachers College, Chico, 1921–22; Counselor and Teacher of History, Palo Alto Union High School, since 1922.

†McDowell, John Ezra (1234) Los Altos (LA 56)
Academic Secretary, and Alumni Secretary
A.B., Stanford, 1900. At Stanford since 1900.

McEuen, Earl Harry (123) 745 Cowper-p (PA 2354J)
Instructor in English
A.B., Willamette University, 1922; A.M., Harvard, 1925. At Stanford since 1925.

†McFarland, Frank Mace (123) 2 Cabrillo (PA 480)
Professor of Histology
Ph.B., De Pauw, 1889; A.M., Stanford, 1893; Ph.D., Würzburg, 1896. Professor of Biology and Geology, Olivet College, 1889–92; Student, Würzburg, Zürich, and Naples, 1894–96. At Stanford since 1892.

McGowen, M. Marguerite (123) Kingscote
Instructor in Physical Education
A.B., University of Colorado, 1923, B.E., 1923. Certificate, Department of Hygiene and Physical Education, Wellesley College, 1925; Director of Physical Education, Tudor Hall School for Girls, 1925–26. At Stanford since 1926.

[†McGregor, Richard C.
Lecturer in Zoölogy (Ornithology)]

†McKee, Albert Brown (123) Woodside-RFD, rc (Redwood 1704F4)
Clinical Professor of Surgery (Ophthalmology)
Ph.B., University of the Pacific, 1883. Ph.M., 1886; M.D., Cooper Medical College, 1886. Resident, Southern Pacific Company's Hospital, Sacramento, 1886–87; in practice, Tuscarora (Nev.), 1887–1892; Assistant, Royal London Ophthalmic Hospital and Golden Square Throat Hospital, Locum-tenens, Bristol Eye Hospital and Central London Ophthalmic Hospital, 1892–95; Instructor and Acting Head of Department of the Ear, Nose, and Throat Division, University of California Medical Department, 1902–8; Associate Professor of Ophthalmology, Cooper Medical College, 1908–12. At Stanford since 1912.

McKENDRY, MARION (1234) 201 Santa Ynez (PA 2141W)
Secretary, School of Law
At Stanford since 1915.

†McKENNEY, ARTHUR CAROL, JR. (123) 1832 Franklin, SF-sf
Clinical Instructor in Medicine [(Graystone 2428)
A.B., Stanford, 1922, M.D., 1925. House Officer in Medicine, Stanford Service, San Francisco Hospital, 1925–26; Assistant Visiting Physician, San Francisco Hospital since 1926. At Stanford since 1926.

†McLAUGHLIN, ROY PARMELEE (123) 850 Subway Terminal Bldg., Los Angeles-la (Mutual 6271)
Lecturer in Oil Technology and Petroleum Engineering
A.B., Stanford, 1902, Engineer, 1915. Assistant Engineer, North Star Mines Co., Grass Valley (Calif.), 1904; Engineer, Standard Consolidated Mining Co., Bodie, 1905–6, Mono Lake Railway and Lumber Co., 1907; Geologist, Associated Oil Co., San Francisco, 1908–12; Chief of Petroleum Department, California State Mining Bureau, 1913–15; California State Oil and Gas Supervisor, 1915–20; Consulting Petroleum Engineer and Geologist, 1921–22. At Stanford since 1922.

†MACLEOD, JOHN JAMES RICKARD (2) 1 Cabrillo (PA 2732)
Exchange Professor of Physiology (Winter Quarter)
M.B., Ch.B., Aberdeen, 1898; D.P.H., Cambridge, 1902. Anderson Scholar, Aberdeen, 1898–1900; Student, Leipzig, 1898–99; Demonstrator in Physiology, London Hospital, 1899–1902, Lecturer in Biochemistry, 1902; Mackinnon Research Scholar, Royal Society, 1901–3; Professor of Physiology, Western Reserve, 1903–18; Professor of Physiology, University of Toronto, since 1918.

†McMURPHY, JAMES IRA WILSON (234) 144 Melville-p
Associate Professor of Botany
A.B., Stanford, 1908, A.M., 1909. Assistant in Botany, University of Wisconsin, 1912–13. At Stanford since 1908.

†McMURRAY, ORRIN K. (4) Kingscote (PA 860J)
Acting Professor of Law
Ph.B., University of California, 1890; LL.B., Hastings College of Law, 1893. In practice of law, McDonald and McMurray, San Francisco, 1893–94; Gunnison, Booth and Bartnett, 1894–1904; Hastings College of Law, 1903–5; School of Jurisprudence, University of California, since 1904, Dean since 1923; University of Michigan, Summer Session, 1920; Columbia University, 1922–23.

†McNAUGHT, HARVARD YOUNG (123) 2979 Lake, SF-sf (Evergreen 7330)
Associate Clinical Professor of Surgery (Otology, Rhinology, Laryngology)
M.D., C.M., Trinity University, 1897. Fellow by Examination, Trinity Medical College, 1897; Assistant, Ear, Nose, and Throat Clinic, Cooper Medical College, 1911–12. At Stanford since 1913.

MADVIG, ELSBETH (MRS.) (3) 1 Salvatierra (PA 1025)
Secretary to Dr. Storey

MAHR, AUGUST CARL (234) 19 Salvatierra
Assistant Professor of German
Ph.D., Heidelberg, 1911; Oberlehrer-Examen, Karlsruhe, 1912. Instructor in German, Sheffield Scientific School, Yale University, 1912–14; Director of the Zentralstelle für Kulturelle Arbeiten in Rüstringen and Editor of *Die Tide*, 1918–21; Teacher of English, German, and History of Art, Bergschule Hochwaldhausen, 1921–23. At Stanford since 1924.

†Maloney, Henry Wilfred (1234) 1102 Guinda (PA 696)
Associate Director of Encina Gymnasium

Military Gymnastic School, Dublin, Ireland, 1899; Physical Instructor, British Army, 1899–1900; British War Service, South Africa, 1901–2; Gymnastic School, Pasadena, 1904–8; Chairman, Executive Committee, University and Club (Soccer) Football League since 1915; Captain and Athletic Officer, A.E.F., 1917–18; Track Coach and Trainer, U.S. Track Team, Inter-Allied Games, Paris, France, 1919; Trainer and Rugby Commissioner, Rugby Teams, Olympic Games, Antwerp, Belgium, 1920; President, California Rugby Union, since 1920; Western Representative, National (Soccer) Football Association, since 1922. Coach and Manager, Stanford's Australian Tennis Tour, Summer, 1924; Member, National A.A.U. Boxing Committee, 1925–27; President, Pacific Athletic Association of the A.A.U., 1925–27; President Collegiate (Soccer) Football League, 1926. At Stanford since 1908.

†Manning, William Albert (1234) 27 Alvarado (PA 2326)
Professor of Mathematics

A.B., Willamette University, 1900; A.M., Stanford, 1902, Ph.D., 1904. Student, University of Paris, 1904–5. At Stanford since 1900.

†Manwaring, Wilfred Hamilton (124) 364 Kingsley (PA 1509)
Professor of Bacteriology and Experimental Pathology

B.S., Michigan, 1895; M.D., Johns Hopkins, 1904. Fellow and Assistant in Pathology, University of Chicago, 1904–5; Associate Professor of Pathology and Bacteriology, Indiana University, 1905–7; Travelling Fellow, Rockefeller Institute, 1907–8, Wassermann's Laboratory, Berlin, 1907–8, Ehrlich's Laboratory, Frankfort-am-Main, 1908–9, Physiological Institute, London, 1909–10; Assistant in Pathology, Rockefeller Institute, 1910–13; Lecturer in Functional Pathology, Washington University Medical School, 1920–21. At Stanford since 1913.

Marshall, Helen (123) 1022 Chula Vista, Burlingame-b (B 4955W)
Instructor in Psychology and Psychiatry

A.B., Lake Erie, 1913; A.M., Ohio State, 1918. Research Assistant, Commonwealth Fund, Department of Psychology, Stanford, 1921–23; Assistant in Psychology and Neuro-Psychiatry Clinic, 1923–26. At Stanford since 1921.

†Martin, Ernest Gale (13) 1 Cabrillo (PA 2732)
Professor of Physiology

Ph.B., Hamline, 1897; Ph.D., Johns Hopkins, 1904. Assistant in Biology, Hamline University, 1896–97; Fellow in Physiology, Johns Hopkins University, 1902–3; Instructor in Physiology, Purdue University, 1904–6; Instructor in Physiology, Harvard University, 1906–10, Assistant Professor, 1910–16; Lecturer in Physiology, Simmons College, 1907–8; Sargent School of Physical Education, 1906–14; Assistant Professor of Physiology, Radcliffe College, 1914–16; Research Physiologist (temporary), U.S. Public Health Service, 1917–20; Member Sub-Committee on Industrial Fatigue, Advisory Commission to Council of National Defense, 1917. Captain, Sanitary Corps, U.S.A., 1918–19. At Stanford since 1916.

†Martin, Ernest Whitney (123) 525 Lincoln (PA 1580W)
Associate Professor of Classical Literature

A.B., Chicago, 1900; A.M., Stanford, 1902, Ph.D., 1910. Instructor in Latin and Greek, Private School, Clarinda (Iowa), 1895–96, Principal of High School, 1896–98; Student, University of Berlin and American School of Classical Studies, Rome, 1900–1901; Acting Professor of Latin and Greek, University of Nevada, 1908–9, Professor of Greek, 1909–10. At Stanford since 1901.

†Martin, Percy Alvin (234) 29 Salvatierra (PA 2482)
Professor of European History

A.B., Stanford, 1902, A.M., 1903; A.M., Harvard, 1907, Ph.D., 1912. Student, University of Paris, 1903–4, Universities of Berlin and Leipzig, 1907–8; Fellow, Harvard University, 1908; Professor of History and French, Whittier College, 1904–5; Lecturer in Latin-American History, Harvard University, 1915; Lecturer in South American History and Institutions, University of Washington, Summer Session, 1916. At Stanford since 1908.

†MARX, GUIDO HUGO (123) 356 Lincoln (PA 715)
Professor of Machine Design

M.E., Cornell, 1893. With Gleason Tool Co., Rochester (N.Y.), 1893–94; with Bement, Miles & Co., Philadelphia, 1894–95; New School for Social Research, 1920. At Stanford since 1895.

†MASTERS, ALFRED RICHARD (1234) 1005 Parkinson (PA 2126M)
General Manager, Board of Athletic Control

A.B., Stanford, 1924. At Stanford since 1925.

†MAYNARD, MERLIN T. R. (123) 604 S. Fifteenth, San Jose-sj (SJ 7876)
Clinical Instructor in Medicine (Cutaneous Diseases)

A.B., Stanford, 1919; M.D., Washington University (St. Louis, Mo.), 1922. Interne, Lane Hospital, 1922–23; Assistant Visiting Dermatologist, San Francisco Hospital, 1924–25. Visiting Dermatologist, 1925–26. At Stanford since 1924.

†MEARS, ELIOT GRINNELL (123) 237 Gerona (PA 1500)
Professor of Geography and International Trade (Graduate School of Business)

A.B., Harvard, 1910, M.B.A., 1912. Secretary and Instructor, Harvard Graduate School of Business Administration, 1912–16; Chief, Foreign Service Division, and later American Trade Commissioner in the Near East, United States Bureau of Foreign and Domestic Commerce, Commercial Attaché to American High Commission in Turkey, 1916–20; Economist, Harbord Military Mission to Armenia and Transcaucasia, 1919; Permanent Secretary, Pan-Pacific Commercial Conference, Hawaii, 1922; Secretary, The Survey of Race Relations, since 1924. At Stanford since 1920.

†MEHRTENS, HENRY GEORGE (1234) 2101 California, SF-sf (Fillmore 6196)
Associate Professor of Medicine (Neurology)

B.S., California, 1911; M.D., Stanford, 1913. Senior House Officer, Lane Hospital, 1914–15; Assistant in Medicine (Neurology), Stanford, 1915–16, 1916–17; House Physician, Lane Hospital, since 1915. At Stanford since 1915.

†MENSOR, MERRILL C. (123) 2224 19th Ave., SF-sf (Sunset 4213)
Clinical Instructor in Surgery (Orthopedics)

M.D., California, 1923. Resident Surgeon, Shriners' Hospital for Crippled Children, San Francisco, 1923–24; Surgeon, San Francisco Emergency Service, 1924–25; Visiting Orthopedic Surgeon, Mary's Help Hospital, 1924–25. At Stanford since 1924.

MENTZER, MARY JONES (MRS.) (123) Colonial Hotel, SF-sf (Sutter 3560)
Clinical Instructor in Medicine

M.D., Woman's Medical College, Pennsylvania, 1905. Resident Physician, Sheltering Arms, Philadelphia, 1906–8, San Francisco Polyclinic, 1916–18, 1919–20; on Active Staff, Arequipa Sanatorium, 1916–23, Consultant, 1923. At Stanford since 1920.

MERRILL, MAUD AMANDA (124) 30½ Alvarado (PA 2180)
Assistant Professor of Psychology

A.B., Oberlin, 1911; A.M., Stanford, 1920, Ph.D., 1923. At Stanford since 1920.

†MEYER, ARTHUR WILLIAM (123) 121 Waverley-p (PA 1225)
Professor of Anatomy

B.S., Wisconsin, 1898; M.D., Johns Hopkins, 1905. Assistant and Instructor in Anatomy, Johns Hopkins University, 1905–7; Assistant Professor of Anatomy, University of Minnesota, 1907–8; Professor of Anatomy, Northwestern University, 1908–9; Research Associate, Carnegie Institution, 1917–18. At Stanford since 1909.

MEYRICK, GERALDINE (1234) 128 Kingsley (PA 2755J)
Secretary to Director of Summer Quarter and to Secretary of Stanford National Board
At Stanford since 1921.

†MIDDLEBUSH, FREDERICK A. (4) Kingscote
Acting Professor of Political Science
A.B., Michigan, 1913, A.M., 1914, Ph.D., 1916. Assistant Professor of History and Political Science, Knox College (Ill.), 1916–18, Professor, 1918–22; Student, London, Paris, and The Hague, 1920–21; Associate Professor of Political Science and Public Law, University of Missouri, 1922–23, Professor, since 1923, Dean of the School of Business and Public Administration, since 1925.

MILES, WALTER RICHARD (123)) 245 Gerona Road (PA 1731W)
Professor of Experimental Psychology
B.S., Pacific College, 1906; A.B., Earlham, 1908; A.M., Iowa, 1910, Ph.D., 1913. Instructor in Psychology and Education, Penn College, 1908–10; Scholar in Education, University of Iowa, 1909–10, Fellow and Assistant in Psychology, 1910–12; Associate Professor of Psychology, Wesleyan University, 1913–14; Psychologist at Nutrition Laboratory of Carnegie Institution of Washington, Boston (Mass.), 1914–22; Lecturer in Psychology, University of California, First Semester, 1925–26. At Stanford since 1923.

†MILLER, ROLAND MCLEOD (123) 818 Cowper-p (PA 878R)
Instructor in Citizenship
A.B., British Columbia, 1916; A.M., California, 1920. Assistant Professor of Economics, University of Oregon, 1921–24. At Stanford since 1924.

†MILLS, LOUIS DAVID (123) 215 Coleridge-p (PA 1788)
Lecturer in Metallurgy of Gold and Silver
A.B., Stanford, 1901.

MIRRIELEES, EDITH RONALD (23) 4 Lasuen (PA 1746J)
Assistant Professor of English
A.B., Stanford, 1907. At Stanford since 1909.

†MITCHELL, HOWARD LIPPERT (123) 164 Lowell-p
Instructor in Physical Education
A.B., Stanford, 1926. At Stanford since 1926.

†MITCHELL, JOHN PEARCE (1234) 235 Embarcadero (PA 722)
Registrar, and Professor of Chemistry
A.B., Stanford, 1903, A.M., 1904, Ph.D., 1909. Student, University of Leipzig, 1904–5. At Stanford, 1903–4, and since 1905.

†MOORE, ARTHUR RUSSELL (34) 133 Third, Pacific Grove-pg
Lecturer in General Physiology (Hopkins Marine Station)
A.B., Nebraska, 1904; Ph.D., California, 1911. Assistant Professor of Physiology, California, 1911–13; Associate Professor, Bryn Mawr, 1913–16; Lecturer in Physiology, Woods Hole (Mass.) Summer Sessions, 1916–20; Professor of Physiology, Rutgers, 1916–26; Professor of General Physiology, University of Oregon, since 1926.

†MORENO, HALCOTT CADWALADER (123) 12 Mirada (PA 2785)
Professor of Engineering Mathematics
A.B., University of Georgia, 1893, A.M., 1894, B.L., 1896; Ph.D., Clark, 1900. Tutor in Mathematics, University of Georgia, 1893–97; Scholar and Fellow in Mathematics, Clark University, 1897–1900, Assistant in Mathematics, 1900–1901. At Stanford since 1901.

MORGAN, THEODORE HARDING (123) 243 Waverley (PA 1757J)
Assistant Professor of Electrical Engineering

A.B., Stanford, 1920. Foreman, Foundation Company, Victoria (B.C.), 1917–19; Testing Engineer, Inspiration Consolidated Copper Company, Inspiration (Ariz.), 1920–21; Engineer, Great Western Power Company, San Francisco, 1921–22, and summers, 1923–26. At Stanford since 1922.

MORRIS, LAIRD M. (123) 1016 Lake, SF-sf (Bayview 5786)
Clinical Instructor in Medicine

M.D., California, 1916. Lieutenant, M.C., U.S.N., 1917–19; Assistant Resident Physician, Peter Bent Brigham Hospital, Boston, 1920; Assistant in Medicine, University of California Medical School, 1921–22; Instructor in Medicine, 1922–23. At Stanford since 1924.

†MORRISON, STANLEY (123) 663 Lowell (PA 2875J)
Associate Professor of Law

A.B., Yale, 1915; LL.B., Harvard, 1919. Law Secretary to Justice Oliver Wendell Holmes, United States Supreme Court, Washington (D.C.), 1919–20; In practice of law with McCutcheon, Olney, Mannon, and Greene, San Francisco, 1920–23. At Stanford since 1924.

†MORSE, HARRY WHEELER (123) Menlo Heights (PA 3396W)
Acting Professor of Metallurgy

A.B., Stanford, 1897; Ph.D., Leipzig, 1902. Instructor and Assistant Professor of Physics, Harvard University, 1902–12; Lecturer in Chemistry, University of California, 1912–13; Consulting Chemist and Metallurgist since 1913.

†MOSER, CHARLES (123) 651 Homer (PA 2287)
Associate Professor of Civil Engineering, and Secretary of the Faculty of the School of Engineering

C.E., Ohio Northern University, 1902; A.B., Stanford, 1908. At Stanford since 1908.

MOSHER, CLELIA DUEL (123) 3 Cabrillo (PA 32)
Associate Professor of Personal Hygiene, and Medical Adviser of Women

A.B., Stanford, 1893, A.M., 1894; M.D., Johns Hopkins, 1900. Assistant in Hygiene and Physical Training, Stanford University, 1893–94, Instructor, 1894–96; Externe in the Johns Hopkins Hospital Dispensary, and Gynecological Assistant in Dr. Howard A. Kelly's Sanatorium, Baltimore (Md.), 1900–1901; Physician, Palo Alto, 1901–10. At Stanford, 1893–96, and since 1910.

†MURRAY, AUGUSTUS TABER (134) 1019 Bryant (PA 2065)
Professor of Classical Literature

A.B., Haverford, 1885; Ph.D., Johns Hopkins, 1890. Fellow in Johns Hopkins University, 1887–88; Professor of Greek, Earlham College, 1888–90; Student, Universities of Leipzig and Berlin, 1890–91; Professor of Greek, Colorado College, 1891–92; Federal Food Administrator for Northern Unit of Santa Clara County, California, 1918; Annual Professor in the American School of Classical Studies, Athens, 1922–23. At Stanford since 1892.

MURRAY, MARGARET (234) 1011 Fulton (PA 1219J)
Secretary to the Comptroller

At Stanford since 1916.

NAGEL, LAURA INGEBORG (1234) Los Altos (LA 126J)
Recorder, Registrar's Office

A.B., Stanford, 1904, A.M., 1905. At Stanford, 1908–9, and since 1919.

†NELSON, ROY F. (123) 698 Calmar, Oakland,-o (Glencort 3729)
Clinical Instructor in Surgery (Otology, Rhinology, Laryngology)

A.B., Knox, 1919; M.D., Stanford, 1924. Senior Interne, Lane and Stanford University Hospitals (Otolaryngology), 1924–25, Resident, 1925–26; Certificate, American Board of Otolaryngology, 1926. At Stanford since 1924.

†Navarro Tomás, Tomás (4) Stanford Union (PA 2900)
Acting Professor of Romanic Languages

Licenciado en Letras, Universidad de Madrid, 1904, Doctor en Letras, 1906. Student, Universities of France and Germany, 1912; Lecturer, University of Montpellier, 1913; Director of Laboratory of Experimental Phonetics, Centro de Estudios Históricos, Madrid, since 1914, Professor of Phonetics, since 1915; Visiting Professor, University of Porto Rico, Summer Session, 1925.

†Newell, Robert Reid (1234) 772 Fifteenth Ave., SF-sf (Bayview 6719)
Assistant Professor of Medicine (Radiology)

M.D., California, 1916. Assistant in Medicine, University of California Medical School, 1917. At Stanford since 1920.

†Niebel, Herbert Lee (1) 1455 Webster-p (PA 1648)
Lecturer in Physical Education

A.B., Stanford, 1914, M.D., 1923.

†Norton, Oliver Edward (123) 136 Middlefield-p (PA 590R)
Instructor in English (Public Speaking)

A.B., College of the Pacific, 1921. Instructor in Public Speaking, College of the Pacific, 1921–23, Assistant Professor, 1923–24. At Stanford since 1924.

Nye, Helena May (123) 281 Addison (PA 670J)
Instructor in German

A.B., Stanford, 1905, A.M., 1908. At Stanford since 1921.

†Oliver, Harry Reeves (123) 2749 Union, SF-sf (Fillmore 6141)
Lecturer in Public Health and Preventive Medicine (Military Medicine)

M.D., Cooper Medical College, 1898. Assistant in Pathology, Cooper Medical College, 1898–1904, Instructor, 1904–6, Assistant Professor, 1906–11, Associate Professor of Clinical Pathology, 1911–12, Serologist, since 1912; Major, M.C., U.S.A. At Stanford since 1909.

†Oliver, Jean Redman (1234) 4 Culebra Terrace, SF-sf (Graystone 7998)
Professor of Pathology

A.B., Stanford, 1911, M.D., 1914. Assistant in Pathology and Bacteriology, Rockefeller Institute for Medical Research, 1916–18, Associate, 1919; First Lieutenant and Major, M.C., U.S.A., Camp Meade (Md.); Group Laboratory Officer, Justice Hospital Group, Toul, France; Detailed on Medical History of the War, Central Medical Department Laboratory, Dijon, France, and Surgeon General's Office, Washington (D.C.), 1917–19. At Stanford, 1914–16, and since 1919.

†Olsen, Louis S. (4) 321 Fulton-p (PA 478R)
Instructor in Public Health

A.B., Stanford, 1914, Engineer, 1915. Health Officer, Palo Alto, since 1917.

†O'Neill, Arthur Aloysius (123) 756 Page, SF-sf (Park 6916)
Assistant Clinical Professor of Medicine

M.D., Cooper Medical College, 1891. Assistant Surgeon, Cooper Medical College Clinic, 1893; Assistant in Diseases of the Skin, San Francisco Polyclinic, 1902–7; in charge of Isolation and Plague Hospitals, 1907–10, of Isolation Hospital, 1912–17; City Physician, San Francisco, since 1917; Surgeon, U.S.P.H. Reserve, Consultant, Communicable Diseases, 1919. At Stanford since 1913.

Ophüls, Louise (1234) 2116 Pacific, SF-sf (Walnut 5255)
Librarian, Lane Medical Library

At Stanford since 1910.

†Ophüls, William (1234) 2398 Sacramento, SF-sf (Walnut 1741)
Dean of the School of Medicine and Professor of Pathology

M.D., University of Göttingen, 1895. Assistant at the Pathologic Institute at Göttingen, 1896–97; Professor of Pathology and Bacteriology, University of Missouri, 1897–98; Professor of Pathology and Bacteriology, Cooper Medical College, 1898–1912; Pathologist, Lane Hospital, since 1898; Instructor in Pathology, Training School for Military Officers, U.S.A., March to December, 1918. At Stanford since 1909.

†Osborne, George Edward (123) 25 Cabrillo (PA 2386W)
Professor of Law

A.B., California, 1916; LL.B., Harvard, 1919, S.J.D., 1920. Assistant Professor of Law, West Virginia University, 1920–21; Acting Assistant Professor of Law, Stanford University, Summer Quarter, 1921; Assistant Professor of Law, University of Minnesota, 1921–23; Acting Professor of Law, Columbia University, Summer Session, 1923; Acting Professor of Law, Chicago, Summer Quarter, 1927. At Stanford since 1923.

Owen, Ethel Dale (4) 2085 Sacramento, SF-sf (Graystone 6577)
Acting Medical Adviser of Women

A.B., Stanford, 1914, M.D., 1917.

Owen, Lillian Caroline (1234) 668 Forest (PA 1499J)
Secretary, Graduate School of Business

A.B., Stanford, 1920. Executive Assistant to Appointment Secretary, Stanford University, 1922–25. At Stanford since 1922.

†Owens, William Brownlee (1234) 19 Alvarado (PA 1170W)
Professor of Law

LL.B., Stanford, 1915. At Stanford, 1915–16, and since 1920.

†Palmateer, Theron J. (123) 1028 Cowper-p (PA 1679J)
Teaching Specialist in Machine Shop Practice

Apprentice with Sibley & Ware, South Bend (Ind.); Journeyman Machinist, 1896–1905, with R. Hoe & Co., New York, Columbus Machine Works, Columbus (Ohio), Elms Engineering Works, Chicago, Western Gas Engine Works, Mishawaka (Ind.), Webster Iron Works, Bakersfield (Calif.), R. S. Hunkins, San Jose (Calif.). At Stanford since 1904.

Palmer, Caroline Bell (123) 2401 Sacramento, SF-sf (Walnut 5517)
Associate Clinical Professor of Surgery (Anaesthetics)

M.D., Cooper Medical College, 1906. Chief Anaesthetist, Lane Hospital, since 1909. At Stanford since 1916.

†Parish, Samuel Bonsall (123) 1668 Scenic Ave., Berkeley-b
Lecturer on California Botany [(Ashberry 2894)

Honorary Curator of the Herbarium, University of California.

†Park, Charles V. (123) 1080 Emerson-p (PA 1188W)
Assistant Librarian

A.B., Stanford, 1909. Certificate, New York Public Library, Library School, 1915. At Stanford since 1909.

Parks, George Sutton (123) 7 Stanford Union (PA 2900)
Assistant Professor of Chemistry

B.S., Washington, 1915, M.S., 1916; Ph.D., California, 1919. Instructor in Chemistry, California Institute of Technology, 1919–20. At Stanford since 1920.

PATTEE, EDITH B. (MRS.) (4) Stanford Univ. (PA 806)
Acting Assistant Professor of Education

A.B., Oregon, 1911, A.M., 1913. Assistant, Department of Modern Languages, University of Oregon, 1912–14; Instructor, Department of Education (Languages), University High School, University of Oregon, since 1919; University of Paris, Sorbonne, Alliance Francaise, 1925.

PEARSON, LU EMILY (MRS.) (123) 576 University-p (PA 1501)
Instructor in English

A.B., California, 1921, A.M., 1922, Teaching Fellow in English, University of California, 1921–22; Associate in English, University of California, Southern Branch, 1922–26. At Stanford since 1926.

†PEIRCE, GEORGE JAMES (123) 281 Embarcadero (PA 1743J)
Professor of Botany and Plant Physiology

S.B., Harvard, 1890; A.M., and Ph.D., Leipzig, 1894. Assistant in Botany, Harvard University and Radcliffe College, 1890–92; Parker Fellow in Harvard University, studying in Bonn, Leipzig, and Munich, 1892–94; Assistant Professor of Botany, Indiana University, 1895–97; Acting Professor of Botany, University of Wisconsin, second semester, 1910–11. At Stanford since 1897.

†PELZ, VICTOR H. (123) 1416 Tasso (PA 2358W)
Associate Professor of Business Organization (Graduate School of Business)

B.S., Northwestern, 1916, A.M., 1917. Fellow in Economics, Northwestern, 1916–17; Research Assistant, Chicago Sales Managers' Association, 1916–17; Assistant Labor Manager, National Wholesale Tailors' Association, Summer, 1920; Instructor in Economics, University of Minnesota, 1919–21; Assistant Professor of Business Administration, Extension Division, University of Wisconsin, 1921–22; Professor of Marketing, Tulane University, 1922–25; Acting Professor of Marketing, Northwestern University, Summer Session, 1923. At Stanford since 1925.

†PETTIGREW, MOSES W. (123) 1060 High (PA 612M)
Associate Professor of Military Science and Tactics (Field Artillery)

Student, Utah State School of Mines, 1914–17. At Stanford since 1924.

†PETTIT, ALBERT VICTOR (1234) 1169 Bay, SF-sf (Fillmore 7232)
Clinical Instructor in Obstetrics and Gynecology

A.B., Stanford, 1915, M.D., 1919. Senior Interne, Obstetrics and Gynecology, Lane Hospital, 1919–20, Resident, 1920–21, Chief of Women's Clinic, 1921–25; Assistant Visiting Obstetrician and Gynecologist, San Francisco Hospital, since 1926. At Stanford since 1920.

†PIERSON, PHILIP HALE (1234) 734 Twelfth Ave., SF-sf (Pacific 7907)
Associate Clinical Professor of Medicine (Tuberculosis)

A.B., Yale, 1908; M.D., Harvard, 1913. House Officer, Massachusetts General Hospital, 1914–15. At Stanford since 1916.

POTTER, MARGARET (1234) 415 Bellevue, Oakland-o (Glencort 1093)
Cataloguer, Lane Medical Library

B.S., California, 1914. At Stanford since 1919.

†POWELL, HERBERT HARRY (123) 1051 Taylor, SF-sf (Franklin 1941)
Lecturer in Semitic Languages

Ph.B., Taylor, 1898; A.M., Columbian (now George Washington), 1901; B.D., Virginia Theological Seminary, 1901; Ph.D., California, 1905; D.D., General Theological Seminary, 1912. Professor of Old Testament Languages and History, Church Divinity School of the Pacific, since 1900, Theology and Apologetics, 1908–25, Dean, since 1923; Lecturer in Semitic Languages, University of California, 1919–20. At Stanford since 1925.

†Powell, Richard R. B. (4) Kingscote (PA 860J)
Acting Professor of Law

A.B., University of Rochester, 1911; A.M., Columbia, 1912, LL.B., 1914. In practice of law, Rochester (N.Y.), 1914–15; Member of firm, O'Brien & Powell, Rochester (N.Y.), 1915–21; Assistant Professor of Law, Columbia University Law School, 1921–23, Associate Professor, 1923, Professor, 1924.

†Proctor, William Martin (123) 7 Dolores (PA 3223)
Associate Professor of Education

A.B., Whitman, 1901; A.M., Stanford, 1916, Ph.D., 1919. Teacher of History and Civics, Cheney (Wash.) State Normal School, 1909–10; Professor of Education, Pacific University, Forest Grove, Oregon, 1911–15, Dean of Faculty, 1914–15; Lecturer, Harvard Summer Session, 1922; Lecturer in Secondary Education, Harvard University, 1923–24; Lecturer, Columbia University, Summer Session, 1924. At Stanford since 1916.

Putnam, Dorothy (1234) 625 Guinda (PA 1279W)
Secretary, School of Education

A.B., Stanford, 1916. Assistant in History, Stanford University, 1916–17. At Stanford since 1916.

†Quinn, Elton LeRoy (2) 130 Donohoe-R.F.D., Box 41C, p
Acting Associate Professor of Chemistry

A.B., Bates College, 1910; Ph.D., Princeton, 1913. Teaching Fellow in Chemistry, Princeton, 1910–12, Fellow in Chemistry, 1913; Professor of Chemistry, New Mexico State School of Mines, 1914–15; Assistant Professor of Chemistry, University of Utah, 1915–20, Associate Professor, since 1920.

Ratzell, Florence (1234) 2340 Clay, SF-sf (West 6193)
Instructor in Practice of Nursing

A.B., Stanford, 1926. At Stanford since 1926.

†Read, Jay Marion (123) 1461 Seventeenth Ave., SF-sf (Sunset 2219)
Assistant Clinical Professor of Medicine

B.S., California, 1912, M.S., 1913; M.D., Stanford, 1915. Assistant, Stanford Medical Service, San Francisco Hospital, since 1916; Captain, M.R.C., U.S.A., August 1917 to January 1919. At Stanford since 1916.

†Reed, Alfred Cummings (1234) 751 Fourteenth Ave., SF-sf
Associate Clinical Professor of Medicine [(Bayview 841)

A.B., Pomona, 1906; M.D., Bellevue Medical College, 1910. Instructor in Pharmacology, Bellevue Medical College, 1910–11; Assistant Surgeon, U.S. Public Health Service, 1911–13; Attending Physician, Yale Hospital, Changsha, China, 1913–15; Lieutenant, M.C., U.S.N.R.F., July 1917 to February 1919; Chief of Medical Service, Mare Island Naval Hospital, 1918–19; Editor *California State Journal of Medicine*, 1917–20. At Stanford since 1916.

†Reichert, Frederick Leet (123) 1632 Taylor, SF-sf (Franklin 9049)
Associate Professor of Surgery

Ph.B., Franklin and Marshall College, 1916; M.D., Johns Hopkins University, 1920, Research Fellow, Hunterian Laboratory of Experimental Surgery, 1920–21; Assistant Resident Surgeon, Johns Hopkins Hospital, 1921–24, Resident Surgeon, 1924–26, Instructor in Surgery, 1922–26. At Stanford since 1926.

†Reid, Louis Arnaud (4) Stanford Union (PA 2900)
Acting Professor of Philosophy

A.M., University of Edinburgh; Ph.D., University of Wales. Vans Dunlop Scholar in Moral Philosophy, University of Edinburgh, 1919, Hamilton, 1922; Lecturer in Philosophy, University College, Aberystwyth, 1919–26; Independent Lecturer in Philosophy, University of Liverpool, since 1926.

REMELE, MIRIAM FRANCES (1234) 367 Addison (PA 711J)
Editorial Secretary, Registrar's Office
At Stanford since 1920.

†RENDTORFF, KARL GUSTAV (123) 30 Alvarado (PA 515R)
Professor of German
A.M., Stanford, 1894, Ph.D., 1896. Student, University of Giessen, 1884–85, University of Kiel, 1885–91. At Stanford since 1894.

†REYNOLDS, CHARLES NATHAN (123) 460 Amherst (PA 965W)
Instructor in Citizenship and Economics
A.B., Oregon, 1913, A.M., 1921; Ph.D., Stanford, 1927. Instructor in Sociology, University of Oregon, Portland Center, 1922–25; Instructor in Sociology, University of Oregon, Summer Sessions, 1923 and 1925. At Stanford since 1925.

†REYNOLDS, LEON BENEDICT (123) 853 Middlefield (PA 394R)
Professor of Hydraulic and Sanitary Engineering
A.B., Hillsdale, 1906; A.B., Stanford, 1909. Student, Cornell University, 1911–12; Assistant Engineer, Burns & McDonnell, Kansas City (Mo.), 1909–11, 1912–19; Member of Firm, Burns & McDonnell Engineering Co., Kansas City (Mo.), 1920–23. At Stanford since 1923.

†REYNOLDS, LLOYD ROBINSON (123) 2762 Filbert, SF-sf (Walnut 619)
Clinical Instructor in Surgery (Genito-Urinary)
A.B., Stanford, 1915, M.D., 1920. Assistant in Surgery, Stanford Medical School, 1921–22. At Stanford since 1921.

RICKER, CHRISTINE ISABELLE (1234) 33 Lasuen (PA 302)
Assistant Director (Stanford Union)
B.S., Simmons College, 1917. At Stanford since 1922.

†RITTER, ARTHUR JOHN (123) Ross-r (San Anselmo 3000)
Lecturer on Mental Deficiency
Graduate Teachers' College, Zürich (Switzerland), 1897; Research Assistant, Racial Studies, Johannesburg (South Africa), 1898–1901; Student, Paris, 1902–3; Instructor des Enfants Arrières, Paris, 1904–5; Private Case Work with Feeble-Minded Children, 1906–11; Principal, Home School for Nervous and Backward Children, Ross (Calif.), 1912; Lecturer, Department of Criminology, University of California, Summer Session, 1920. At Stanford since 1916.

†RIXFORD, EMMET (123) 1795 California, SF-sf (Graystone 2030)
Professor of Surgery
B.S., California, 1887; M.D., Cooper Medical College, 1891. Adjunct Professor of Surgery, Cooper Medical College, 1893–98, Professor, 1898–1912; Visiting Surgeon, Lane Hospital, 1895–1912, City and County Hospital, San Francisco, since 1894; Instructor in Surgery, Training School for Military Officers, U.S.A., March to December, 1918. At Stanford since 1909.

†ROBINSON, ALFRED A. (123) 2550 Fulton, SF-sf (Bayview 7617)
Clinical Instructor in Medicine
A.B., Brigham Young University, 1901; Liverpool Technical School, England, 1902–4; M.D., Jefferson Medical College, Philadelphia, 1908. Attending Physician, Ogden General Hospital; Chief Neuropsychologist, Dee Memorial Hospital, Ogden (Utah); Neurologist, Latter Day Saints Hospital, Salt Lake City, 1916–18; County Physician, Weber County (Utah), 1913–18; Medical Director, Weber County Hospital, 1913–18; Consulting Neurologist, Relief Home, San Francisco, 1921–22; Assistant, Medicine (Neurology), Stanford, 1921–22, and since 1924.

[†Robinson, Edgar Eugene 27 Salvatierra (PA 1511)
Professor of American History, and Director of Citizenship]

A.B., Wisconsin, 1908, A.M., 1910. Assistant in History, University of Wisconsin, 1908–9, Fellow in American History, 1909–10; Assistant Professor of History, Carleton College, 1910–11; Instructor in History, University of Minnesota, Summer Session, 1912, Resident Lecturer, 1915–16; Assistant Professor of History, University of Michigan, Summer Session, 1916; Assistant Educational Director, S.A.T.C., 1918; Visiting Professor of American History, Yale University, 1919–20; Lecturer in American History, University of California, 1924; Professor of History, Columbia University, Summer Session, 1926. At Stanford since 1911.

†Rodin, Frank H. (1234) 2015 Laguna, SF-sf (Walnut 797)
Clinical Instructor in Surgery (Ophthalmology)

A.B., Manitoba, 1916, M.D., C.M., 1920. Interne, St. Boniface General Hospital, 1918–19; House Surgeon, Winnipeg General Hospital, 1919–20; Eye, Ear, Nose, and Throat Clinics, Washington University, 1923–24; Senior Interne, Lane Hospital, 1924–26; Consultant in Ophthalmology and Otology, San Francisco Board of Health, since 1925. At Stanford since 1924.

†Rogers, Austin Flint (123) 15 Salvatierra (PA 1321)
Professor of Mineralogy

A.B., Kansas, 1899, A.M., 1900; Ph.D., Columbia, 1902. Assistant in Mineralogy, University of Kansas, 1898–1900; Assistant Geologist, University Geological Survey of Kansas, 1898–1900, 1903; Fellow in Mineralogy, Columbia University, 1900–1902. Tutor in Mineralogy, 1902–5. At Stanford since 1905.

†Rogers, Frederick John (123) 550 S. Sixth St., San Jose (SJ 3438J)
Professor of Physics

M.S., Cornell, 1891. Instructor in Physics, Cornell University, 1892–1900. At Stanford since 1900.

Rolfe, Franklin Prescott (123) 19 Salvatierra (PA 964J)
Instructor in English

B.S., Dartmouth, 1924; A.M., Harvard, 1925. At Stanford since 1925.

[†Ross, Perley Ason 1830 Cowper-p (PA 1671W)
Associate Professor of Physics]

A.B., Stanford, 1908, A.M., 1910, Ph.D., 1911. Acting Professor of Physics, Cornell, 1926–27. At Stanford since 1908.

†Roth, Almon Edward (1234) Santa Teresa (PA 3036)
Comptroller

A.B., Stanford, 1909, J.D., 1912. At Stanford since 1919.

†Rottschaefer, Henry (4) 24 Alvarado (PA 1144)
Acting Professor of Law

A.B., Hope College, 1909; J.D., University of Michigan, 1915; S.J.D., Harvard, 1916. Principal, Bellevue (Mich.) H.S., 1909–11; Instructor in Economics, University of Michigan, 1912–15; in practice of law, New York City, Counsel for Thompson & Worley and various corporations; Work on Federal Tax Matters, U.S. Treasury Department; Professor of Law, University of Minnesota, since 1922.

†Rowell, Chester Harvey (123) 149 Tamalpais Rd., Berkeley-b
[(Ashberry 2200)
Lecturer in Political Science

Ph.B., University of Michigan, 1888. Graduate Student, University of Michigan, 1888–89, Student, University of Halle, University of Berlin, 1892–95; Regent, University of California, since 1913.

ROWLAND, MARY DE (1234) 1 Salvatierra (PA 1025)
Secretary, Lower Division
At Stanford since 1923.

RUSSELL, FRANCES THERESA (MRS.) (14) 4 Lasuen (PA 1746W)
Associate Professor of English
Ph.B., State University of Iowa, 1895; Ph.D., Columbia, 1920. Graduate Student, Radcliffe College, 1898–99. At Stanford since 1905.

†RYAN, HARRIS JOSEPH (123) 525 Embarcadero (PA 1075)
Professor of Electrical Engineering
M.E., Cornell, 1887; LL.D., California, 1925. With Western Engineering Co., Lincoln (Nebr.), 1887–88; Instructor in Physics, Cornell University, 1888–89, Assistant Professor of Electrical Engineering, 1889–92, Associate Professor, 1892–95, Professor, 1895–1905; Judge, Board of Awards, World's Fair, Chicago, 1893; U.S. Government Delegate, International Electrical Congress, St. Louis Exposition, 1904; Consulting Electrical Engineer, Los Angeles Aquaduct Power Project, 1909–23; President, American Institute of Electrical Engineers, 1923–24. At Stanford since 1905.

†RYFKOGEL, HENRY ANTHON LEWIS (123) 2645 Twenty-fourth St., SF-sf
Lecturer in Surgery (S.F. Hospital) [(Valencia 1611)
M.D., California, 1894. Instructor in Anatomy, University of California, 1894–98, Instructor in Clinical Pathology, Medical Department, 1898–1900, in Bacteriology, 1900–1906, in Surgical Pathology, 1906–7; Surgical Chief, San Francisco Polyclinic, and Visiting Surgeon, San Francisco Hospital, since 1904. At Stanford since 1919.

SAMPSON, JOSEPH ABRAHAM (123) 1822 Sacramento, SF-sf (Market 21)
Clinical Instructor in Medicine (Pediatrics)
B.S., California, 1910; M.D., Stanford, 1921. Interne, Lane Hospital, and House Officer, San Francisco Hospital, 1920–21. At Stanford since 1921.

SANTES, MARIE (14) 1 Salvatierra (PA 1025)
Cataloguer, Hoover War Library
A.B., Carleton, 1911; B.L.S., New York State Library School, 1926. High School Teacher, 1911–13; Student, New York State Library School, 1916–18; Temporary Assistant, Newark (N.J.), Free Public Library, Summer 1917; Cataloguer, University of Minnesota Library, 1918–23. At Stanford since 1923.

†SAPPINGTON, CLARENCE OLDS (123) 312 Wayne,Oakland-o(Glencort 5431)
Lecturer on Industrial Hygiene (Public Health and Preventive Medicine)
A.B., Whitman, 1911; M.D., Stanford, 1918; Dr.P.H., Harvard, 1924. Assistant Surgeon, U.S.P.H.S., 1920–22; Fellow in Industrial Hygiene, Harvard, 1922–23; Teaching Fellow in Vital Statistics, 1923–24; Special Adviser on Industrial Health Problems, San Francisco Tubercular Association, 1924. At Stanford since 1924.

†SCATTERGOOD, EZRA FREDERICK (123) 1415 Berkshire, Los Angeles-la
Lecturer in Electrical Engineering [(Garfield 5262)
B.S., Rutgers, 1893, M.S., 1896; M.M.E., Cornell, 1899. Instructor in Mathematics and Electrical Science, Rutgers; Fellow in Electrical Engineering, Cornell; Professor of Electrical Engineering, Georgia School of Technology; Consulting Electrical Engineer, Los Angeles; Chief Electrical Engineer and General Manager, Bureau of Power and Light of the City of Los Angeles, since 1909.

†SCHALLER, WALTER FRANK (123) 164 Sea Cliff, SF-sf (Evergreen 5614)
Clinical Professor of Medicine (Neurology)
M.D., Cooper Medical College, 1902. Assistant in Pathology, Cooper Medical College, 1905–6; Assistant Surgeon, U.S.N., 1906–8; Student, Paris, Berlin, Vienna, Karlsruhe, 1909–11; P.A. Surgeon, U.S.N.R.F., June–December, 1917, and since October 1918. At Stanford since 1911.

†Schaupp, Karl Ludwig (123) 45 Walnut, SF-sf (Fillmore 921)
Assistant Clinical Professor of Obstetrics and Gynecology

A.B., Stanford, 1913, M.D., 1916. First Lieutenant, M.R.C., U.S.A., August to December, 1918; Visiting Obstetrician, San Francisco Hospital, since 1919; Visiting Gynecologist, San Francisco Hospital, since 1923; Obstetrician, Franklin Hospital. At Stanford since 1918.

†Schenck, Hubert Gregory (124) 580 Addison (PA 1964J)
Instructor in Geology

A.B., Oregon, 1922, A.M., 1923; Ph.D., California, 1926. Associate in Paleontology, University of California, 1923–24. At Stanford since 1924.

Schermerhorn, Lorenz J. (123) 2720 Vallejo, SF-sf (Fillmore 6337)
Clinical Instructor in Medicine

M.D., University of Michigan, 1912. U.S. Army, 1917–19; University of California, Pediatrics Department, 1919–24. At Stanford since 1925.

†Schultz, Edwin William (1234) Cooksey Lane (PA 1210)
Professor of Bacteriology and Experimental Pathology

B.S., Winona College, 1913; A.B., Michigan, 1914; M.D., Johns Hopkins, 1917. Special Student in Protozoölogy, School of Hygiene and Public Health, Johns Hopkins University, 1919; Fellow in Pathology, Mayo Foundation, Spring and Summer Quarters, 1921–22; Field Director, International Health Board, 1917; First Lieutenant and Captain, M.C., U.S.A., Deputy Commissioner (Major, U.S.A.), American Red Cross, 1917–19; Chief of Laboratory, 33d Division, U.S. Army; Pathologist, Base Hospital No. 42, A.E.F., 1917–18; Chief of Laboratory, A.R.C. Military Hospital No. 9, A.E.F.; Bacteriologist, A.R.C. Commission to Germany; Chief of Bureau of Medical Research, A.R.C. Commission to Poland, 1918–19; John Simon Guggenheim Memorial Fellow in Bacteriology for research abroad, 1925–26. At Stanford since January 1920.

†Schwartz, William Leonard (123) 450 Harvard (PA 239W)
Assistant Professor of Romanic Languages

A.B., Ohio Wesleyan, 1910; A.M., Stanford, 1920, Ph.D., 1926. Professor of English, Kagoshima Seventh Government College, Japan, 1910–14, Nagasaki Imperial College of Commerce, 1914–19; Professor of French, College of the Pacific, 1919–20. Student, University of Paris, 1921. At Stanford since 1920.

†Sears, Jesse Brundage (123) 1120 Parkinson (PA 1762W)
Professor of Education

A.B., Stanford, 1909; Ph.D., Teachers College, Columbia, 1920. Student, University of Chicago, Summer Quarter, 1910; Research Scholar, Teachers College, Columbia University, 1910–11; Instructor in Education, University of Wisconsin, 1909–10; Assistant in Educational Sociology, Teachers College, Columbia University, Summer Session, 1911; Acting Associate Professor of Education, University of Minnesota, 1920–21; Director, Survey of University of Minnesota, Autumn Quarter, 1921–22. At Stanford since 1911.

†Seitz, Roland P. (123) 294 Twenty-seventh Ave., SF-sf (Evergreen 4541)
Clinical Instructor in Medicine (Pediatrics)

A.B., Stanford, 1919, M.D., 1923. Senior Interne, Pediatrics, Lane Hospital, 1923–24. At Stanford since 1924.

Sellards, John Armstrong (1234) Serra (PA 2892)
Director of Summer Quarter, and Secretary to Stanford National Board

A.B., Illinois, 1912; A.M., Stanford, 1916. At Stanford, 1916–17, 1919–20, 1922–23, and since 1924.

†Sewall, Edward Cecil (123) 3515 Pacific, SF-sf (Fillmore 4242)
Clinical Professor of Surgery (Otology, Rhinology, Laryngology)

A.B., Stanford, 1898; M.D., Cooper Medical College, 1902. Assistant and Instructor in Ophthalmology, Cooper Medical College, 1901–7, Assistant Professor, 1907–9; Student in Freiburg, 1909–10; Associate Professor of Diseases of Eye, Ear, Nose, and Throat, Cooper Medical College, 1910–12. At Stanford since 1912.

†Seward, Samuel Swayze, Jr. (123) 262 Kingsley-p (PA 779W)
Associate Professor of English

A.B., Columbia, 1896, A.M., 1897. Scholar in Literature, Columbia University, 1896–97, Assistant in Literature, 1897–99; Student, Oxford University, 1899–1900; Acting Professor of English, University of Nevada, 1907; Assistant Professor of English, University of California, Summer Session, 1907; University of Oregon, Summer Session, 1908. At Stanford since 1900.

†Shafer, George Daniel (1234) 321 Melville-p
Assistant Professor of Physiology

A.B., Indiana, 1900; A.M., Stanford, 1906; Ph.D., Cornell, 1908. Fellow in Entomology and Invertebrate Zoölogy, Cornell University, 1906–8; Research Assistant, Experiment Station, Michigan Agricultural College, 1908–14, Associate, 1914–17. At Stanford since 1918.

†Shedd, Solon (1234) 7 San Juan (PA 2824W)
Curator, Branner Geological Library

B.S., Monmouth, 1889; A.B., Stanford, 1896, A.M., 1907, Ph.D., 1910. Instructor in Natural Sciences, State Normal School, Monmouth (Ore.), 1889–94; Assistant Professor of Geology, State College of Washington, 1896–1901, Professor, 1901–25; Geologist, Washington State Geological Survey, 1901–3; Assistant State Geologist, 1909–11, State Geologist, 1921–25; Acting Associate Professor of Geology, Stanford, Summer and Autumn Quarters, 1921, Acting Professor of Geology, Summer Quarter, 1922. At Stanford, 1921, and since 1925.

†Shepardson, Dwight Emerson (1234) 80 Yerba Buena, SF-sf
Clinical Instructor in Medicine [(Sunset 8672)

A.B., Stanford, 1917, M.D., 1921. Resident in Medicine, Lane Hospital, 1922–23. At Stanford since 1922.

†Shepherd, Harold (123) 744 Guinda (PA 1904M)
Professor of Law

A.B., Stanford, 1919, J.D., 1922. Dean of the Law School, University of Wyoming, 1922–23. At Stanford since 1923.

†Sherman, Julius (123) 288 Twenty-ninth Ave., SF-sf (Evergreen 34)
Clinical Instructor in Medicine (Gastro-Enterology)

M.D., California, 1916. Interne, Mount Zion Hospital, 1916–17; Voluntary Assistant in Medicine, University of California, 1917–18, Assistant, 1918–21. At Stanford since 1925.

†Shirrell, Elmer Lacey (3) University Park (PA 724M)
Instructor in Citizenship

B.L., University of California, 1914, A.M., 1925. Teaching Fellow in Political Science, California, 1914–15; Instructor in Political Science and Economics, Kern County Junior College, 1915–17; Chief, Rehabilitation Division, District No. 12, U.S. Veterans' Bureau, 1919–24; Instructor in Government, Chico State Teachers College, Summer Session, 1925; Assistant Professor of Political Science, University of Arizona, 1925–26, Associate Professor, 1926–27, Dean of Men, 1925–27.

SKOGSBERG, TAGE (1234) 130 Third, Pacific Grove-pg
Instructor in Zoölogy

A.M., Upsala, 1912, Ph.D., 1920. Curator, Zoölogical Institution, Upsala, 1917–20; Upsala University Scholar, Musée Oceanographique of Monaco, 1915; Hopkins Marine Station, 1921; Scientific Assistant, California Fish and Game Commission, 1922; Research Assistant, University of California, 1923–25, Associate in Zoölogy, Second Semester, 1925–26. At Stanford, Summer Quarter, 1925, and since 1926.

†SLOAN, WILLIAM HENRY (123) Alta Mesa-Box 105, p (PA 8W2)
Associate Professor of Chemistry

A.B., Stanford, 1903, A.M., 1904. Student, University of Leipzig, 1904–5; Assistant Chemist, San Francisco Board of Health, 1905–6. At Stanford, 1903–4, and since 1906.

†SLONAKER, JAMES ROLLIN (123) 334 Kingsley-p (PA 451)
Associate Professor of Physiology

B.S., Wisconsin, 1893; Ph.D., Clark, 1896. Fellow in Biology, Clark University, 1893–96; with United States Fish Commission, Woods Hole (Mass.), Summer, 1895; Instructor in Zoölogy, Indiana University, 1896–99, Biological Station, 1896–1900, Assistant Professor of Zoölogy, 1899–1901; Research Assistant in Neurology, University of Chicago, 1901–2, Associate in Neurology, 1902–3. At Stanford since 1903.

SMITH, CHARLES HERBERT (12) 216 Stanford Union (PA 2900)
Instructor in Mechanical Engineering

A.B., Stanford, 1923, Engineer, 1924. Acting Test Engineer, Power Plant, Inspiration Consolidated Company, Summer, 1926. At Stanford since 1924.

†SMITH, EVERETT WALLACE (1234) 12 Alvarado (PA 1041)
Professor of Journalism, and Director of Publicity

A.B., Stanford, 1899. At Stanford since 1910.

†SMITH, GILBERT MORGAN (123) 504 Hamilton (PA 863W)
Professor of Botany

A.B., Beloit, 1907; Ph.D., Wisconsin, 1913. Assistant in Botany, Wisconsin, 1909–10; Instructor in Botany, Pomona, 1910–11; Assistant in Botany, Wisconsin, 1911–12, Instructor, 1912–17, Assistant Professor, 1917–19, Associate Professor, 1919–25; Acting Associate Professor, Stanford, Autumn Quarter, 1923–24. At Stanford, 1923, and since 1925.

†SMITH, JAMES PERRIN (123) 1335 Cowper-p (PA 1218W)
Professor of Paleontology

A.B., Wofford College, 1884; A.M., Vanderbilt, 1886; Ph.D., Göttingen, 1892; LL.D., Wofford College, 1916. Assistant Geologist and Chemist, Arkansas Geological Survey, 1887–90; Assistant Geologist, U.S. Geological Survey, 1895–1906, Geologist since 1906. At Stanford since 1892.

†SMITH, PHILIP EDWARD (123) 1200 Emerson (PA 2543J)
Associate Professor of Anatomy

B.S., Pomona, 1908; M.S., Cornell, 1910, Ph.D., 1912. Assistant in Anatomy, Cornell, 1910–11, Instructor, 1911–12; Instructor in Anatomy, University of California, 1912–18, Assistant Professor, 1918–21, Associate Professor, 1921–26. At Stanford since 1926.

†SMITH, STANLEY ASTREDO (123) 2 Finger, Redwood City-rc
Associate Professor of Romanic Languages [(Redwood 285W)

A.B., Stanford, 1903, A.M., 1905. Assistant in Romanic Languages, Stanford University, 1903–4, Instructor, 1904–7; Student, Universities of Paris and Madrid, 1906–7; Instructor in French and Italian, University of Washington, 1907–11; Student, Harvard University, 1911–12, Instructor in Romance Languages, 1912–13; Professor of Romance Languages, Reed College, 1913–14. At Stanford, 1903–7, and since 1914.

SNELL, ELIZABETH BURRITT (MRS.) (1234) 1333 Tasso (PA 1718R)
Appointment Secretary

A.B., Stanford, 1908. At Stanford since 1916.

SNODGRASS, KATHARINE (1234) 1421 Emerson (PA 1301W)
Research Associate, Food Research Institute

A.B., Bryn Mawr, 1915; A.M., Columbia University, 1918. Research Assistant, War Industries Board, 1918–19, Federal Reserve Board, 1919–22; Associate Editor, *New York Journal of Commerce*, 1923. At Stanford since 1924.

†SNYDER, JOHN OTTERBEIN (123) 8 Alvarado (PA 1081M)
Professor of Zoölogy

A.B., Stanford, 1897, A.M., 1899. Assistant, U.S. Fish Commission, 1897, 1899, 1904, 1915, 1916; Naturalist on U.S.S. "Albatross" engaged in deep sea investigations, 1902, 1906; Expert Ichthyologist, U.S. National Museum, 1914; Fisheries Expert, Fish and Game Commission of California, since 1919; Director, U.S. Fisheries Marine Laboratory, Woods Hole (Mass.), 1926. At Stanford since 1897.

†SPALDING, ALFRED BAKER (123) 2651 Green, SF-sf (Fillmore 826)
Professor of Obstetrics and Gynecology

A.B., Stanford, 1896; M.D., Columbia, 1900. House Surgeon, General Memorial Hospital, New York, 1900–1901; Assistant Resident Physician, Sloane Maternity Hospital, New York, 1901–2; Instructor in Obstetrics, University of California, 1902–5, Assistant Professor, 1905–9, Professor, 1909–12. At Stanford since 1912.

†SPIRO, HARRY (12) 1915 California, SF-sf (Fillmore 5787)
Assistant Clinical Professor of Medicine

Ph.G., California, 1893; M.D., Cooper Medical College, 1904. Instructor in Pharmacology, Cooper Medical College, 1905–7; Vienna Clinic, 1907; U.S. Army, 1918. At Stanford since 1919.

†SPRAGUE, CHARLES MYRON (1234) 332 Forest (PA 3010J)
Assistant Director of Swimming and Gymnastics

A.B., Bowdoin College, 1920. Ensign, U.S. Navy, April 1917–August 1919; Football Coach and Director of Physical Education, Ellensburg (Wash.) High School, 1922–24; University of Illinois Coaching School, Summer, 1924. At Stanford since 1924.

†STADTHERR, EDWARD F. (123) 1630 Clement, SF-sf (Bayview 814)
Clinical Instructor in Medicine

M.D., St. Louis University, 1913. Assistant Surgeon, U.S.N., 1917–20, Past Assistant Surgeon, U.S.N., 1920–21. At Stanford since 1921.

STANLEY, EDWARD JOHN (123) 269 Hawthorne-p (PA 544W)
Assistant Professor of Mechanical Engineering (Pattern Making)

Machinist with Pacific Iron Works, San Francisco, 1879, Blacksmith, 1880, Draughtsman, 1881, Pattern Maker, 1883–86; Third Assistant Engineer, U.S.S. "Alabama," 1882; Foreman Pattern Maker, Union Iron Works, San Francisco, 1886–1901, 1906. At Stanford since 1901.

STARKS, CHLOE LESLEY (MRS.) (123) 1115 Ramona (PA 597M)
Assistant Professor of Education (Graphic Art)

At Stanford since 1899.

†STARKS, EDWIN CHAPIN (123) 1115 Ramona (PA 597M)
Assistant Professor of Zoölogy

Assistant in United States Bureau of Biological Survey, 1897–99; Curator of the Museum and Assistant Professor of Zoölogy, University of Washington, 1899–1900. At Stanford since 1900.

STEARNS, MARY H. (MRS.) (1234) Roble (PA 909)
Social Director (Roble Hall)
At Stanford since 1924.

†STEBBINS, HORATIO WARD (123) 327 Addison-p (PA 316)
Associate Professor of Mechanical Engineering
A.B., California, 1899; B.S., Massachusetts Institute of Technology, 1902. Assistant to Engineer of Tests, Southern Pacific Railroad Company, 1902–5; Engineer and Estimator, San Francisco Bridge Company, 1905–13. At Stanford since 1914.

†STEPHENSON, HENRY AUGUSTUS (1234) 2677 Larkin, SF-sf (Graystone 5788)
Assistant Clinical Professor of Obstetrics and Gynecology
A.B., Randolph-Macon College, 1906; M.D., Johns Hopkins Medical School, 1910. Assistant Resident Obstetrician, Johns Hopkins Hospital, 1911–12. Resident Obstetrician, 1912–14; Assistant in Obstetrics, Johns Hopkins Medical School, 1911–12, Instructor, 1912–14; First Lieutenant, M.R.C., U.S.A., April 1918 to January 1919. At Stanford since 1914.

†STEVENS, WILLIAM EMERSON (1234) 1007 Gough, SF-sf (Walnut 5200)
Associate Clinical Professor of Obstetrics and Gynecology (Urology)
M.D., California, 1899. Chief of Genito-Urinary Clinic, San Francisco Polyclinic, 1912–18, Chief of Genito-Urinary Department since May 1918, Chief of Gynecological Urology Department since 1916; Visiting Urologist, San Francisco Hospital, since 1916; Consulting Genito-Urinary Surgeon, Bethlehem Shipbuilding Corporation, Ltd., Hospital, since March 1918. At Stanford since 1919.

STILLMAN, MINNA (1234) 2 Alvarado (PA 1048)
Document Librarian
A.B., Stanford, 1903. At Stanford since 1912.

STILLSON, GRACE ELIZABETH (1234) 451 Ruthven-p (PA 543M)
Cataloguer, Library
A.B., Stanford, 1915. At Stanford since 1917.

STOLTENBERG, CLARA S. (123) 9 Salvatierra (PA 199)
Associate Professor of Anatomy
A.B., Stanford, 1896, A.M., 1897. At Stanford since 1896.

†STONE, CALVIN PERRY (124) 656 Channing (PA 1166M)
Associate Professor of Psychology
A.B., Indiana, 1915, A.M., 1916; Ph.D., Minnesota, 1921. Teaching Fellow in Education, University of Minnesota, 1916; Director of Psychological Research, Indiana State Reformatory, 1916–17; Psychological Examiner, U.S. Army, 1917–19; Teaching Fellow in Psychology, University of Minnesota, 1919–21; Instructor in Neural and Histological Anatomy, University of Minnesota, 1921–22. At Stanford since 1922.

†STONE, CLARENCE ROBERT (4) Los Altos-la (LA 205M)
Acting Assistant Professor of Education
B.S., Missouri, 1909, A.B., 1910; A.M., Chicago, 1921. Elementary School Principal, St. Louis, 1910–23; Instructor in the Psychology and Pedagogy of Reading, Harris Teachers College, 1918–22; Lecturer, Tulane University, Summer, 1923; Lecturer, San Diego State Teachers College, Summer, 1924; Acting Instructor in Education, Stanford, Summer Quarters, 1925, 1926.

†STOREY, THOMAS ANDREW (234) 10 Cabrillo (PA 3105)
Professor of Hygiene and Physical Education for Men, and Director of Encina Gymnasium
A.B., Stanford, 1896, A.M., 1900, Ph.D., 1902; M.D., Harvard, 1905. Assistant, Instructor, and Assistant Professor of Hygiene, Stanford, 1896–1906; Associate Professor and Professor of Hygiene, and Director of the Department of Hygiene, College of the City of New York, 1906–1926. At Stanford 1896–1906 and since 1926.

STRATTON, ERNEST KENNETH (12) Olympic Club, SF-sf (Prospect 4400)
Clinical Instructor in Medicine (Dermatology)

P.D., Philadelphia College of Pharmacy, 1910; M.D., George Washington University, 1916. Captain, Medical Corps, U.S. Army, 1917–22; Clinical Assistant, Department of Dermatology and Syphilis, College of Physicians and Surgeons, Columbia University, 1923–24; Chief Attending Dermatologist to the San Francisco Polyclinic and to Mary's Help Hospitals. At Stanford since 1924.

†STRONG, EDWARD KELLOGG, JR. (123) 8 Mirada (PA 1649)
Professor of Psychology and of Applied Psychology (Graduate School of Business)

B.S., California, 1906, M.S., 1909; Ph.D., Columbia, 1911. Assistant, Barnard College, 1909–10; Fellow in Psychology, Columbia University, 1910–11; Research Fellow in Advertising for Ad Men's League, New York City, 1911–12; Research Fellow in Advertising for Association of National Advertisers, 1912–15; Lecturer, Extension Department, Columbia University, 1911–14, 1919; Professor of Psychology and Psychology of Education, George Peabody College for Teachers, 1914–17; Lieutenant Colonel, General Staff, and Member Committee on Classification of Personnel in Army, 1917–19; Professor and Head of Department of Vocational Education, Carnegie Institute of Technology, 1919–21, Head of Bureau of Educational Research, 1921–23; Professor, Carnegie School of Life Insurance Salesmanship, 1919–23. At Stanford since 1923.

†STUART, GRAHAM HENRY (123) 631 Coleridge (PA 1871M)
Associate Professor of Political Science

A.B., Western Reserve, 1908; A.M., Wisconsin, 1918, Ph.D., 1919. Student Alliance Française, 1910, Sorbonne, 1911, École Libre des Sciences Politiques, 1913–14; Assistant in Political Science, University of Wisconsin, 1917, Assistant Professor, 1921–23; Research Associate, Carnegie Institution (stationed at Lima, Peru), 1924; Acting Associate Professor, University of Chicago, Summer Quarter, 1926. At Stanford since 1923.

†STUART, HENRY WALDGRAVE (24) 20 Cabrillo (PA 2557)
Professor of Philosophy

Ph.B., California, 1893; Ph.D., Chicago, 1900. Teacher, Hollister (Calif.) High School, 1893–94; Fellow in Political Economy, University of Chicago, 1894–96; Instructor (pro tem.) in Economics and Psychology, Washington University, St. Louis, 1896–97; Teacher, Central School, Oakland (Calif.), 1897–98; Principal, Woodland (Calif.) High School, 1898–99; Fellow in Philosophy, University of Chicago, 1899–1900; Instructor in Economics and History, Ripon College, 1900–1901; Instructor in Philosophy, State University of Iowa, 1901–4; Acting Professor of Philosophy, Lake Forest College, 1904–5, Assistant Professor, 1905–7; Professor of Philosophy, University of Chicago, Summer Quarters, 1907, 1912, 1916, 1920. At Stanford since 1907.

SUTLIFF, HELEN BINNINGER (1234) 19 Salvatierra (PA 876)
Chief Cataloguer, Library

A.B., Kansas, 1890. Head Cataloguer, University of Kansas Library, 1891–1904; Cataloguer in Columbia University Library, Summer, 1901. At Stanford since 1904.

†SWAIN, ROBERT ECKLES (123) 2 Mirada (PA 247)
Professor of Chemistry

A.B., Stanford, 1899; M.S., Yale, 1901, Ph.D., 1904. Student, Universities of Strasbourg and Heidelberg, 1901–2, Yale University, 1909–10; Lecturer and Medalist, Charles Frederick Chandler Foundation, Columbia University, 1924. At Stanford since 1898.

SWEET, MARY C. (1234) 921 Scott-p (PA 1748W)
Assistant Registrar

A.B., Vassar, 1906; B.S., Simmons, 1909. At Stanford since 1923.

SWETT, WILBER FRANK (1234) 1339 Fourth Ave., SF-sf (Sunset 4087)
Clinical Instructor in Surgery (Ophthalmology)

A.B., Stanford, 1917, M.D., 1922. Student, University of Vienna, 1924–25, Oxford University, 1925. At Stanford since 1923.

[†Tainter, Maurice Lane 1925 Pierce, SF-sf (Walnut 3689)
Instructor in Pharmacology]
A.B., Stanford, 1921, A.M., 1924, M.D., 1925. At Stanford since 1924.

Tanner, Hilda V. (Mrs.) (34) 1111 High (PA 413)
Secretary to Dean, School of Engineering

Taylor, Alonzo Englebert (1234) Serra (PA 2011)
Director, Food Research Institute
M.D., Pennsylvania, 1904; LL.D., Wisconsin, 1920. Student, University of Berlin, 1890–91, 1899–1900; Instructor, University of Pennsylvania, 1897–99; Professor of Pathology, University of California, 1900–1910; Professor of Pathological Chemistry, University of Pennsylvania, 1910–21. At Stanford since 1921.

†Taylor, Charles Vincent (124) 226 Gerona
Professor of Biology
A.B., Mt. Morris College, 1911; A.M., University of California, 1915, Ph.D., 1917. Instructor in Zoölogy, University of California, 1917–18; Johnston Scholar, Johns Hopkins University, 1918–20; Assistant Professor of Zoölogy, University of California, 1920–23; Acting Assistant Professor of Zoölogy, Hopkins Marine Station, Stanford University, Summer, 1922 and 1923; Assistant Professor of Zoölogy (on exchange), University of Michigan, 1924; Research Associate, Tortugas Marine Station of the Carnegie Institution, Summers, 1924, 1926. At Stanford since 1925.

†Taylor, Joseph Danner (123) Kingscote (PA 860J)
Associate Professor of Law
A.B., Pomona, 1912; A.B., Harvard, 1914, LL.B., 1917. With Hurlburt, Jones, and Hall, Boston, 1919–1920; General Counsel, Boston Legal Aid Society, 1920–24; with Taylor and Leonard, 1924–26. At Stanford since 1926.

†Templeton, Harry John (123) 71 Ross Circle, Oakland-o
Clinical Instructor in Medicine (Dermatology) [(Humboldt 7143)
M.D., Ohio State University, College of Medicine, 1917; M.Sc., University of Pennsylvania, 1926. Interne, Denver County Hospital, 1919–20; Graduate Study in Dermatology, University of Pennsylvania Graduate School of Medicine, 1924–25, Stanford, 1925–26. At Stanford since 1925.

†Templeton, Robert Lyman (123) 44 Lasuen (PA 2827W)
Director of Track
A.B., Stanford, 1921. At Stanford since 1921.

Terman, Frederick Emmons (123) 9 Dolores (PA 1178)
Instructor in Electrical Engineering
A.B., Stanford, 1920, Engineer, 1922; Sc.D., Massachusetts Institute of Technology, 1924. At Stanford since 1925.

†Terman, Lewis Madison (234) 9 Dolores (PA 1178)
Professor of Psychology
A.B., Indiana, 1902, A.M., 1903; Ph.D., Clark University, 1905. Fellow in Psychology and Education, Clark University, 1903–5; Principal of High School, San Bernardino (Calif.), 1905–6; Head of Department of Child Study and Pedagogy, Los Angeles State Normal School, 1906–10; Instructor in Education, Indiana University, Summer Session, 1909, New York University, Summer Session, 1916, Columbia University, Summer Session, 1917; Major, Division of Psychology, Surgeon General's Office, Washington (D.C.), 1918. At Stanford since 1910.

†Thomas, Earl Charles (123) 211 Middlefield (PA 2475)
Assistant Professor of Civil Engineering
A.B., Stanford, 1914. Instructor in Railroad Engineering, A.E.F. University, Beaune, France, 1919. At Stanford since 1920.

†Thornhill, Claude E. (123) 339 Manzanita Ave.-p (PA 768M)
Assistant Coach in Football
At Stanford since 1922.

†Tickell, Frederick George (123) 652 Forest (PA 1768W)
Associate Professor of Petroleum Technology

B.S., California, 1912. Engineer at Dawson, Y.T., for the Yukon Gold Co., 1912; Assistant in Mineralogy, University of California, 1913; Engineer, Croesus Gold Mining and Milling Co., 1914–15; Geologist and Petroleum Engineer, Southern Pacific Co., 1917–21. At Stanford since 1921.

†Tinker, Miles Albert (4) 918 Ramona (PA 1093)
Acting Assistant Professor of Education

A.B., Clark University, 1921, A.M., 1922; Ph.D., Stanford, 1927.

†Titus, Charles Hickman (123) 13 Stanford Union (PA 2900)
Instructor in Citizenship and Political Science

A.B., Stanford, 1920, A.M., 1921, Ph.D., 1927. Assistant in Instruction, Stanford, 1920–21, and Summer, 1921; Instructor in Economics and History, Whitman College (Wash.), 1921–23, Professor of Political Science, and Acting Head of the Department, 1923–25. At Stanford since 1925.

†Tolman, Cyrus Fisher (234) County Road (PA 245W)
Professor of Economic Geology

B.S., Chicago, 1896. Fellow in Geology, University of Chicago, 1897–98; Consulting Economic Geologist, since 1898; Professor of Geology, University of Arizona, 1905–6, Professor of Geology and Mining, 1906–12; Territorial Geologist of Arizona, 1910–12. At Stanford since 1912.

†Towne, Edward Bancroft (123) 2822 Clay, SF-sf (Fillmore 3270)
Associate Clinical Professor of Surgery

A.B., Harvard, 1906, M.D., 1913. Surgical House Officer, Peter Bent Brigham Hospital, Boston, 1913–14, Assistant Resident Surgeon, 1914–15; Honorary Medical Officer, Royal Army Medical Corps, France, 1915–16; Voluntary Assistant, Mayo Clinic, 1916–17; Assistant Resident Surgeon, Brigham Hospital, and Assistant in Surgery, Harvard Medical School, 1917; Lieutenant, Captain, and Major, Medical Corps, U.S.A., A.E.F., 1917–19. At Stanford since 1919.

†Townley, Sidney Dean (123) 21 Cabrillo (PA 1016)
Professor of Mathematics

B.S., Wisconsin, 1890, M.S., 1892; D.Sc., Michigan, 1897. Fellow in Astronomy, University of Wisconsin, 1890–91, Assistant in Astronomy and Mathematics, 1891–92; Hearst Fellow in Astronomy, University of California (Lick Observatory), 1892–93; Instructor in Astronomy, University of Michigan, 1893–95, 1896–98; Student, Universities of Berlin and Munich, 1895–96; Instructor in Practical Astronomy, University of California, 1898–1903, Lecturer in Astronomy, 1904–7; Astronomer in charge of International Latitude Observatory, 1903–7; Visiting Lecturer in Astronomy, Harvard University, 1925–26. At Stanford since 1907.

†Treat, Payson Jackson (123) 8 Dolores (PA 1128)
Professor of History

A.B., Wesleyan, 1900; A.M., Columbia, 1903; Ph.D., Stanford, 1910. Instructor in History, Barnard School, New York City, 1900–1903; Graduate Student, Stanford University, 1903–5; Research Student in Far East, 1906–7; Instructor in Government, Harvard University, 1908–9; Lecturer in Political Science, University of California, Second Semester, 1915–16. At Stanford since 1905.

True, Helen Ella (1234) 1505 Byron (PA 1608)
Secretary to the President

A.B., Mt. Holyoke, 1905. At Stanford since 1914.

†Tupper, Charles Ralph (4) 1314 Parkinson (PA 3691W)
Acting Assistant Professor of Education

A.B., Stanford, 1913, A.M., 1923. Instructor in Mathematics and Science, Globe (Ariz.), 1913–19; Superintendent of Schools, Miami (Ariz.) since 1919; Director, Arizona State School Survey, 1924–25; Member, Arizona State Board of Education; Acting Assistant Professor, Stanford, Summer Quarter, 1926.

†Tuttle, Harold Saxe (4) 146 Sixteenth Ave,. San Mateo-sm
Acting Associate Professor of Education

B.S., College of the Pacific, 1905, A.M., 1911. Professor of Education, Pacific University, 1920–26; Lecturer in Education, Oregon Agricultural College, Summer Sessions, 1924, 1925, 1926; Extension Lecturer in Education, University of Oregon, 1923–26, Assistant Professor of Education, since 1926.

†Van Vleck, John Hasbrouck (4) Kingscote
Acting Associate Professor of Physics

A.B., Wisconsin, 1920; A.M., Harvard, 1921, Ph.D., 1922. Instructor in Physics, Harvard, 1922–23; Assistant Professor, University of Minnesota, 1923–26, Associate Professor since 1926.

†Van Vleck, William Cabell (4) 33 Salvatierra (PA 2485)
Acting Professor of Law

A.B., George Washington University, 1908, LL.B., 1911; S.J.D., Harvard, 1921. Instructor in Law, George Washington Unive.sity, 1912–16, Assistant Professor, 1916–19, Professor since 1919, Secretary of the Law School, 1912–20, Acting Dean, September 1923–February 1924, Dean since February 1924; Acting Professor of Law, University of Michigan, Summer Session, 1924.

†Vernier, Chester Garfield (123) 11 Mirada (PA 254)
Professor of Law

A.B., Butler College, 1903; J.D., Chicago, 1907. Graduate Scholar, University of Chicago, 1904–5; Instructor in Law, Indiana University, 1907–8; Professor of Law, University of Nebraska, 1908–10, Indiana University, 1909–11, University of Illinois, 1911–16; Lecturer in Law, University of Chicago, Summer Quarters, 1911, 1912, University of Michigan, Summer Session, 1914. At Stanford since 1916.

†Vestal, Arthur Gibson (123) 14 Cambridge Road, Stanford Park
Assistant Professor of Biology [(PA 2268W)

A.B., Illinois, 1911; A.M., Colorado, 1913; Ph.D., Chicago, 1915. Instructor in Biology, University of Colorado, 1911–14, and Summer Sessions, 1919, 1920; Professor of Biological Sciences, Eastern Illinois State Normal School, 1915–20. At Stanford since 1920.

†VonGeldern, Hans (123) 1530 Francisco, SF-sf (Fillmore 7951)
Clinical Instructor in Obstetrics and Gynecology

A.B., University of California, 1916; M.D., Stanford, 1920. Senior Interne, Obstetrics and Gynecology, Lane Hospital, 1920–21, Resident, 1921–22; Assistant Visiting Obstetrician and Gynecologist, San Francisco Hospital, since 1921. At Stanford since 1922.

Warmington, Jean M. (Mrs.) (12) 1 County Road (PA 245J)
Secretary to Dean, School of Engineering

At Stanford since 1925.

†Warner, Glenn Scobey (123) 217 Madroño Ave. (PA 2403)
Director of Football

LL.B., Cornell University, 1894. At Stanford since 1922.

†Webster, David Locke (124) Dolores (PA 1694)
Professor of Physics

A.B., Harvard, 1910, Ph.D., 1913. Assistant in Mathematics, Harvard University, 1909–10, Instructor, 1910–14, Assistant in Physics, 1911–15, Instructor, 1915–17; Assistant Professor of Physics, University of Michigan, 1917; First Lieutenant, Science and Research Division, A.S.S.R.C., later B.A.P., 1917–18, Captain, 1918; Assistant Professor of Physics, Massachusetts Institute of Technology, 1919–20. At Stanford since 1920.

†Wedel, Oswald Henry (123) 480 Cornell (PA 2811J)
Instructor in Citizenship

A.B., Arizona, 1923; A.M., Stanford, 1924, Ph.D., 1927. At Stanford since 1924.

Wegner, Walter W. (123) 235 Stanford Union (PA 2900)
Instructor in Civil Engineering

A.B., Stanford, 1922. At Stanford since 1924.

†Wenzel, Robert Nicolas (123) 1112 Ramona-p (PA 782J)
Instructor in Chemistry

A.B., Stanford, 1916, Engineer (in Chemistry), 1917. At Stanford since 1923.

§West, Victor J. (12)
Professor of Political Science

Ph.B., Chicago, 1905. Instructor in English and Civics, Bradley Polytechnic Institute, 1905-6; Fellow in Political Science, University of Chicago, 1908-10, Assistant in Political Science, 1910; Instructor in Politics, Northwestern University, 1910–13; Assistant Chief of Service, Illinois Progressive Service Board, 1913; Instructor in Political Science, University of California, Summer Session, 1915; Special Investigator, U.S Bureau of Efficiency, 1918, 1920–21; Acting Professor, University of Chicago, and University of Minnesota, Summer, 1924. At Stanford since 1913.

†Weymouth, Frank Walter (123) 3 Salvatierra
Associate Professor of Physiology

A.B., Stanford, 1909, A.M., 1911, Ph.D., 1923. Assistant in Physiology, Johns Hopkins University, 1912–13. At Stanford since 1910.

†Whitaker, Albert Conser (123) 9 Alvarado (PA 1081J)
Professor of Economics

A.B., Stanford, 1899; Ph.D., Columbia, 1904. Scholar in Economics, Columbia University, 1899–1900. Fellow, 1900–1901; Student, University of Berlin, 1901; Lecturer in Economics and Social Science, Columbia University, 1906–7; Lecturer in Economics, University of California, Summer Sessions, 1906, 1911, 1924; Acting Professor of Economics, University of Chicago, second half of 1911–12 and 1912–13. At Stanford since 1902.

†Whitmore, Charles S. (123) 1023 Emerson (PA 1945M)
Assistant Professor of Military Science and Tactics (Field Artillery)

Graduate, United States Military Academy, 1920. First Lieutenant, Field Artillery, U.S.A. At Stanford since 1925.

†Whittier, Clarke Butler (123) Santa Cruz Ave., Menlo Heights
Professor of Law [(PA 1243R)

A.B., Stanford, 1893; LL.B., Harvard, 1896. Attorney at Law, Los Angeles, 1895–96; Student, Stanford University, 1896–97, Instructor in Law, 1897–99, Assistant Professor, 1899–1900, Associate Professor, 1900–1902; Professor of Law, University of Chicago, 1902–14. At Stanford, 1897–1902, and since 1915.

Wickes, Florence (1234) 519 Webster, SF-sf (Park 6152)
Reference Librarian, Lane Medical Library

At Stanford since 1918.

Wiedmann, Milton Laurence (123) 222 Stanford Union (PA 2900)
Instructor in Mathematics

A.B., Stanford, 1925, Engineer, 1926. At Stanford since 1925.

§ Deceased February 26, 1927.

†WIGHT, WILLIAM FRANKLIN (123) Matadero-Box 246, p (PA 1687R)
Lecturer in Botany

B.S., Michigan State College, 1894; A.B., Stanford, 1899, A.M., 1900. Assistant in Botany, Stanford, 1899–1900; Assistant in Systematic Botany, U.S. Department of Agriculture, 1900–1903, Assistant Botanist, 1903–12; Inspector General of Agriculture, Argentine Republic, 1912; Agricultural Explorer in Chile, Peru, and Bolivia, U.S. Department of Agriculture, 1913, Associate Botanist, 1913–26.

†WILBUR, RAY LYMAN (1234) Lagunita Knoll (PA 46)
President of the University

A.B., Stanford, 1896, A.M., 1897; M.D., Cooper Medical College, 1899; LL.D., California, 1919, Arizona, 1919, Pennsylvania, 1925; Sc.D., Syracuse, 1924. Assistant in Physiology, Stanford University, 1894–96, Instructor, 1896–97; Lecturer and Demonstrator in Physiology, Cooper Medical College, 1899–1900; Assistant Professor, Stanford, 1900–1903; Professor of Medicine, and Dean of the Stanford Medical School, 1909–16. At Stanford, 1894–97, 1900–1903, and since 1909.

†WILDMAN, MURRAY SHIPLEY (134) 24 Cabrillo (PA 1179)
Professor of Economics

A.B., Earlham, 1893; Ph.D., Chicago, 1904. Professor of History and Economics, Central College (Mo.), 1904–5; Instructor in Economics, University of Missouri, 1905–6, Assistant Professor, 1906–8; Acting Assistant Professor, University of Chicago, Summer Quarter, 1909; Assistant Professor of Economics and Commerce, Northwestern University, 1909–11, Professor, 1911–12. At Stanford since 1912.

†WILLIAMS, J. HAROLD (4) 155 S. Seventeenth, San Jose-sj (SJ 5635J)
Acting Professor of Education

A.B., Stanford, 1913, A.M., 1914, Ph.D., 1916. Graduate, Nebraska State Normal School, Peru, 1908; Principal, Chadron (Neb.) High School, 1908–9; Principal, Broken Bow (Neb.) High School, 1909–11; Research Fellow, Buckel Foundation Stanford, 1914–16; Director, California Bureau of Juvenile Research, 1915–23; Instructor, Stanford, Summer Quarters, 1918, 1919, Acting Assistant Professor, 1920, 1921, 1922, 1923, 1925; Lecturer in Education, University of California, Southern Branch, 1923–25, Associate Professor of Education, since 1925; Associate, Salt Lake City School Survey, 1915; Associate, Boise School Survey, 1919; Director, Psychological Survey, University of Hawaii, 1921; Psychologist, Los Angeles Diagnostic Clinic, since 1923; Editor, *Journal of Delinquency*, 1916–23; Editor, *Educational Measurement Review*.

†WILSON, FRANCIS GRAHAM (123) 410 Kipling-p
Instructor in Citizenship

A.B., University of Texas, 1923, A.M., 1924. Teaching Fellow in Political Science, University of California, 1924; Instructor in Political Science and American History, Fresno State Teachers and Junior College, 1925–26; Instructor in American Political Institutions, San Francisco College of Physicians and Surgeons, 1926–27. At Stanford since 1926.

†WING, CHARLES BENJAMIN (123) 345 Lincoln (PA 445W)
Professor of Structural Engineering

C.E., Cornell, 1886. Fellow in Civil Engineering, Cornell University, 1886–87, Instructor, 1887–90, Assistant Professor, 1890–91; Engineer, Pompton (N.J.) Powder Co., 1887, Phoenix Powder Co., Farmingdale (N.J.), 1888; Assistant Engineer, Berlin (Conn.) Iron Bridge Co., 1889–90; Professor of Bridge and Hydraulic Engineering, University of Wisconsin, 1891–92. At Stanford since 1892.

WINTERBURN, J. CHARLES (123) 558 Tennyson-p
Assistant Director of Physical Education

B.S., University of Pittsburgh, 1923. Director of Athletics, Donora (Pa.) Schools, 1923–24; Instructor in Physical Education and Major Sports, San Mateo Union High School, 1924–25; Director of Football and Basketball, Santa Ana Polytechnic High School, 1925–26. At Stanford since 1926.

†Wolfsohn, Julian Mast (123) 1800 Gough, SF-sf (Graystone 3976)
Associate Clinical Professor of Medicine (Neurology)

A.B., University of California, 1905, M.S., 1907; M.D., Johns Hopkins University Medical School, 1911. Research Assistant, Herzstein Laboratory, University of California, 1906–7; Medical House Officer, Johns Hopkins Hospital, 1911–12; Major, M.C., U.S.A., May 1917 to September 1919. At Stanford since 1913.

†Wolter, Harry Meiggs (123) 11 Cowper Court-p (PA 1665W)
Director of Baseball

At Stanford since 1923.

Wood, Ledger (123) Cardinal Hotel (PA 2300)
Instructor in Philosophy

A.B., California, 1922; Ph.D., Cornell, 1926. Graduate Student, University of California, 1922–23, Cornell University, 1923–26; Assistant in Philosophy, Cornell, 1924–26. At Stanford since 1926.

†Woolsey, Chester Howard (123) 2220 Sacramento, SF-sf
Clinical Instructor in Surgery (Genito-Urinary) [(Fillmore 941)

B.S., California, 1895, M.D., 1901. Assistant to Chair of Clinical Medicine, University of California, 1902–6; State Bacteriologist, California, 1903–4; Assistant to Chair of Genito-Urinary Surgery, Cooper Medical College, 1911–12. At Stanford since 1912.

†Working, Holbrook (1234) 1739 Waverley (PA 1909J)
Economist, Food Research Institute

A.B., Denver, 1915; A.M., Cornell, 1919; Ph.D., Wisconsin, 1921. Instructor in Economics, Cornell, 1916–17, 1919; Fellow in Economics, Wisconsin, 1919–20; Assistant Professor of Agricultural Economics, Minnesota, 1920–23, Associate Professor, 1923–25. At Stanford since 1925.

†Wyckoff, Harry Alphonso (1234) 417 Oakland, Oakland-o
Assistant Professor of Medicine [(Glencort 2859)

A.B., Stanford, 1907, M.D., 1916. Head of Department of Physical Education, Los Angeles High School, 1907–12; Bacteriologist, San Francisco Board of Health Laboratories, 1917; Pathologist, Napa State Hospital, 1918. At Stanford since 1919.

[†Yerington, Henry Herbert Menlo Park-Box 264,mp (Redwood 659)
Associate Clinical Professor of Medicine (Pediatrics)]

M.D., Columbia University, 1908. Student, Stanford University, 1900–1904, Bellevue Hospital, New York, 1909–10; House Physician, Pediatric Service, Bellevue Hospital, 1909–10; Instructor in Pediatrics, Cooper Medical College, 1910–11; Visiting Pediatrician, San Francisco Hospital, Assistant, Visiting Staff, Children's Hospital, San Francisco. At Stanford since 1913.

Yost, Mary (1234) 2 Lasuen (PA 1203)
Dean of Women, and Lecturer in English

A.B., Vassar, 1904, A.M., 1912; Ph.D., Michigan, 1917. Graduate Scholar, Vassar College, 1904–5; Assistant in English, Wellesley College, 1906–7; Instructor in English, Vassar College, 1907–13; Fellow, University of Michigan, 1913–15; Assistant Professor, Vassar College, 1915–21; Reader, College Entrance Examination Board, 1912–18, Head Reader and Examiner, 1918–21. At Stanford since 1921.

Young, Stewart Woodford (123) Santa Cruz Ave., Menlo Heights
Professor of Physical Chemistry

B.S., Cornell, 1890. Assistant in Chemistry, Cornell University, 1890–91; Instructor in Chemistry, Swarthmore College, 1891–93. At Stanford since 1893.

ZAPOLEON, LOUIS B. (1234) 9 Stanford Union (PA 2900)
Economist, Food Research Institute

Statistician, U.S. Department of Agriculture, 1909–16; successively, Special Expert, Chief, Division of Agricultural Products and Provisions, and Agricultural Economist, U.S. Tariff Commission, 1917–25; served as Expert, Ways and Means and Senate Finance Committees, 1921–22. At Stanford since 1925.

†ZOBEL, ALFRED JACOB (123) 352 Lake, SF-sf (Pacific 119)
Lecturer on Proctology

M.D., Cooper Medical College, 1898. Assistant Prosector, Anatomy Department, Cooper Medical College, 1899–1900, Assistant Medical Clinic, 1899; Assistant Medical Clinic, San Francisco Polyclinic, 1901–3, Associate Professor in Medicine, 1904–5, Associate Professor of Proctology, 1906–9, Chief of Department of Rectal Surgery, since 1909; Consulting Rectal Surgeon, Mt. Zion Hospital, 1917; Visiting Rectal Surgeon, San Francisco Hospital, since 1908. At Stanford since 1918.

ASSISTANTS IN INSTRUCTION AND RESEARCH

de Aberle, Sophie (Mrs.), Anatomy (1) 4 Alvarado
A.B., Stanford, 1923, A.M., 1925, Ph.D., 1927.

†Bakhuyzen, H. L. van de Sande, Research Assistant, Food Research Institute (1234) University Park (PA 2077R)
D.Sc., University of Utrecht, 1920. Assistant, Agricultural Experiment Station, Groningen, 1919–22. At Stanford since 1924.

Bardwell, Kathleen (Mrs.), Research Assistant, Physiology (34) 328 Churchill-p

Barker, Wallace Woodward, Romanic Languages (123) 524 Middlefield-p
A.B., Harvard, 1905.

†Beede, Arthur H., Medicine (Dermatology) (23) Walnut Creek-wc
B.S., Occidental, 1920; M.D., Stanford, 1926.

Bell, Mary Ann, Research Assistant, Psychology (4) Madroño (PA 1025)
A.B., Colorado, 1925; A.M., Stanford, 1926.

†Benjamin, Harold R., Practice Teaching (Education) (123) 889 Stanford (PA 1830R)
A.B., University of Oregon, 1920, A.M., 1924.

Berry, Florence Caroline, Romanic Languages (1) Delta Delta Delta
A.B., University of California, Southern Branch, 1925.

†Bigham, Truman Cicero, Economics (123) 536 Cowper-p
A.B., Baylor, 1920; A.M., Chicago, 1925.

Bille, Anna, English (1) 610 Cowper-p (PA 492)
A.B., Stanford, 1908, A.M., 1909.

Bowes, Ruth Garland (Mrs.), Pediatrics (3) 2535 Laguna, SF-sf (Fillmore 1883)
A.B., Stanford, 1920, M.D., 1925.

Bramkamp, Robert Greenleaf, Chemistry (12) 326 Stanford Union (PA 2900)
A.B., Stanford, 1926.

Braun, Elmer W., Economics (123) 1215 Emerson
B.S., Minnesota, 1925.

†Brown, George D., Surgery (123) 2300 Webster, SF-sf (Fillmore 5980)
A.B., Stanford, 1921, M.D., 1925.

Brunet, Joseph, Romanic Languages (1234) Cedro Cottage (PA 1416J)
A.B., Stanford, 1923, A.M., 1924.

Burlingame, Mildred Edith, Research Assistant, Psychology (Adult Education) (123) 24 Alvarado (PA 1144)
A.B., Stanford, 1925, A.M., 1927.

†Burns, Robert, Jr., Dental Clinic (12) 135 Butler Bldg., SF-sf (Douglas 2493)
D.D.S., California, 1902. Dental Surgeon, U.S. Marine Hospital, San Francisco, 1902–3; Visiting Dental Surgeon, St. Francis Hospital.

†Butt, Edward Merchant, Pharmacology (123) 1925 Pierce, SF-sf (Fillmore 9389)
A.B., Stanford, 1924.

†Cady, Osman Horace, Chemistry (1) 328 Cowper-p
B.S., University of Washington, 1915, M.S., 1919.

†Callison, Ferd Walter, Surgery (San Francisco Hospital) (123) 1680 Ninth Ave., SF-sf (Sunset 4693)
M.D., College of Physicians and Surgeons, San Francisco, 1918. Interne, Stanford Service, San Francisco Hospital, 1918; Resident Physician, St. Francis Hospital, 1918–19, San Francisco Polyclinic, 1919–22; Associate Surgical Clinician, San Francisco Polyclinic, since 1922. At Stanford since 1923.

Campbell, John Lockhart, Clinic Dentist (12) 1808 Octavia, SF-sf (Walnut 218)
D.D.S., California, 1917. Clinic Dentist, San Francisco Polyclinic, 1917–18, Baby Hospital of Alameda County, 1917–19; Detention Home of Juvenile Court of City and County of San Francisco, since 1918, Assistant in Clinical Dentistry, University of California, 1918–19; Lieutenant, D.C., U.S.A. At Stanford since 1919.

Carnahan, Chalon Wesley, Physics (3) 527 Encina
A.B., Stanford, 1926.

Chalfant, Frank Carroll, Germanic Languages (123) 224 Stanford Union (PA 2900)
A.B., Monmouth College, 1902.

Chawner, William Donald, Field Geology (4) Santa Paula-sp
A.B., Occidental, 1925.

†Christensen, Parley A., English (123) University Park
B.S., Utah Agricultural College, 1914; A.M., Stanford, 1925, Ph.D., 1927.

†Clay, Harry Edwin, Obstetrics and Gynecology (123) 1102 Flood Bldg., SF-sf (Douglas 2483)
M.D., Rush Medical College, 1904. House Surgeon, Passavant Memorial Hospital, 1904–5; Assistant Professor of Surgery, Willamette University, 1911–12, Chair of Gynecology, 1912–15; Member Oregon State Board of Health, 1916, until entry into service; Captain, U.S.A., 1917, Major, 1918. At Stanford since 1920.

†Cody, Bernard Anthony, Surgery (Genito-Urinary) (12) 610 Geary, SF-sf (Franklin 681)
A.B., Stanford, 1921, M.D., 1925.

Copple, Lucille Evelyn, Mathematics (1234) Madroño (PA 1025)
A.B., University of California, Southern Branch, 1926.

Cramer, Sophia M., Education (1) 1028 Bryant-p (PA 853)
A.B., Stanford, 1904.

Dale, Helen Lois, Biology (123) 1022 Forest Court-p (PA 1327)
A.B., Stanford, 1921, A.M., 1923.

†Darby, Edward A., Assistant to Dr. Barrow (1234)
Palo Alto-Box 216, p (PA 1842)

Day, Howard C., General Biology (123) 1215 Emerson
A.B., Lawrence College, 1924; A.M., Stanford, 1926.

†Dudley, Hubert W., Surgery (Eye) (123) 231 Bayview, San Rafael-sr (SR 370J)
M.D., Jefferson Medical College, 1888; M.D., Central College of Physicians and Surgeons, 1899. House Surgeon, New York Aural and Ophthalmic Hospital, 1900–1901; Clinical Assistant and Special Student, Massachusetts General Hospital, 1910–11. At Stanford since 1918.

†Duncan, Hiram B., Surgery (San Francisco Hospital) (123)
969 Flood Bldg., SF-sf (Garfield 6767)
M.D., St. Louis University, 1912. Interne, St. Mary's Hospital, and French Hospital, 1912–13; Medical Corps, U.S.N., 1917–21; Genito-Urinary Clinic, San Francisco Polyclinic, 1914–17, Surgical Clinic, since 1921.

Dunlap, John Wilbur, Research Assistant, Psychology (123) University Park
B.S., Kansas State Agricultural College, 1924, M.S., 1926.

Dyer, Susan Louise, Education (Girl Scout Leadership) (4) 353 Lowell-p (PA 943)
A.B., Stanford, 1899, A.M., 1901.

Edgerton, Harold, Research Assistant, Psychology (4) 205 Stanford Union (PA 2900)
B.S., Kansas State Teachers College, 1924; A.M., Ohio State, 1926.

†Eells, Walter Crosby, Mathematics and Education (12) 1627 College
A.B., Whitman College, 1908; A.M., Chicago, 1911; Ph.D., Stanford, 1927.

Escher, Earl W., Biology (23) 635 Bryant-p
B.S., Arizona, 1925.

Espinosa, Aurelio Macedonio, Jr., Romanic Languages (34) 16 Salvatierra
A.B., Stanford, 1927.

Evans, David LeCount, Field Geology (4) Santa Paula-sp
A.B., Stanford, 1927.

Fernelius, Willis Conard, Chemistry (1234) 325 Stanford Union (PA 2900)
A.B., Stanford, 1926, A.M., 1927.

Finch, Vincent Wellington, Field Geology (4) SantaPaula-sp
A.B., Stanford, 1926, Engineer, 1927.

Firestone, Fred, Medicine (Gastro-Intestinal Clinic) (123) 490 Post, SF-sf (Douglas 2160)
B.S., Chicago, 1918; M.D., Rush Medical College, 1920. Interne, Mount Zion Hospital, San Francisco, 1920; Resident Staff, Cook County Hospital, Chicago, 1921–22; Assistant Chief in Medicine, Mount Zion Hospital, 1922–24. At Stanford since 1924.

Foote, Hannah Frances, Romanic Languages (123) Manzanita
A.B., Stanford, 1926, A.M., 1927.

Franklin, John Curtis, Physics (1) 6 Lasuen
A.B., Stanford, 1926.

Fraser, Alexander Falconer, Dental Clinic (123) 507 Butler Bldg., SF-sf (Douglas 2082)
D.D.S., University of California, 1926. Instructor in Operative Dentistry, University of California since 1926. At Stanford since 1926.

†Gerstle, Mark Lewis, Jr., Neurology (San Francisco Hospital) (123) 490 Post, SF-sf (Kearny 5296)
A.B., Stanford, 1924, M.D., 1925. At Stanford since 1925.

Gieseke, Walter, Germanic Languages (123) 224 Stanford Union (PA 2900)
A.B., Stanford, 1925, A.M., 1926.

Giovinco, Joseph B., Surgery (12) 702 Flood Bldg., SF-sf (Kearny 8192)
A.B., St. John's (New York), 1919; M.D., George Washington University, 1924.

†Goldman, Samuel A., Surgery (Genito-Urinary) (San Francisco Hospital) (123) 960 Flood Bldg., SF-sf (Sutter 175)
Ph.G., College of Physicians and Surgeons, California, 1903, M.D., 1907. Interne, Sacramento County Hospital, Sacramento, 1907–8; Assistant, Medical Clinic, San Francisco Polyclinic, 1913–14; Assistant, Genito-Urinary Clinic, San Francisco Polyclinic, 1914–17, Chief, since 1917; Public Lecturer for Bureau of Social Hygiene, California State Board of Health, 1917–19. At Stanford since 1918.

†Green, Herlwyn R., Anatomy (1) 1121 Emerson-p (PA 1214)
A.B., Brown, 1897, A.M., 1899; M.D., Pennsylvania, 1903.

†Gwinn, Charles Dudley, Dental Clinic (123) 490 Post, SF-sf (Kearny 4895)
D.D.S., California, 1917. Lieutenant, Dental Corps, U.S.N.R.F., 1917–19; Instructor in Extraction, Dental Department, University of California, since 1919; Visiting Dentist, French Hospital, since 1920. At Stanford since 1922.

Hadden, Fannie, Pediatrics (1234) 2452 Washington, SF-sf (West 3511)
A.B., Stanford, 1917. At Stanford since 1920.

†Hall, James Hinquong, Medicine (1) 1150 Clayton, SF-sf (Market 2006)
A.B., Stanford, 1919, M.D., 1922. Resident Ophthalmologist, Peking Union Medical College, 1922–23.

Hansen, Hazel Dorothy, Classical Literature (23) 3 Lasuen (PA 1151M)
A.B., Stanford, 1920, A.M., 1921, Ph.D., 1926.

†Hanson, Joel H., Obstetrics and Gynecology (123) 602 Flood Bldg., SF-sf (Kearny 6780)
A.B., Wisconsin; M.D., Jefferson Medical College, 1918.

Harker, James Broadbent, Chemistry (123) 567 Lincoln-p
A.B., Stanford, 1924, A.M., 1927.

Harkleroad, Dudley Henry, Economics (3) 335 Stanford Union
A.B., Stanford, 1927.

Harmon, Frank Carlyle, Chemistry (123) 202 Sequoia
A.B., Stanford, 1927.

†Harrington, Charles Henry, Mathematics (4) 1227 Byron-p (PA 1207J)
A.B., Stanford, 1925, A.M., 1925.

Hays, Harford Holmes, English (123) 825 University-p (PA 3180W)
A.B., Stanford, 1924, A.M., 1927.

†Helsley, Gordon Friedrich, Surgery (San Francisco Hospital) (123) 800 Monterey Blvd., SF-sf (Delaware 3421)
A.B., Stanford, 1915, M.D., 1918. Assistant Physician, California State Prison, San Quentin, 1918; Physician, State Prison at Folsom, 1918–20; Surgeon, Celite Products Co., 1920–21; House Physician and Surgeon, Greenpoint Hospital, New York City, 1921–22; Student at Vienna, 1922, at Munich, 1923.

Henderson, James Gordon, Surgery (Genito-Urinary) (123) 2200 Webster, SF-sf
A.B., Stanford, 1921, M.D., 1925. Resident Physician, St. Francis Hospital, San Francisco, 1925–26.

Henry, Collice P., Romanic Languages and Classical Literature (123) Madroño (PA 1025)
A.B., California, 1921, A.M., 1922; Ph.D., Stanford, 1927.

†Hobdy, William Catt, Obstetrics and Gynecology (1) 490 Post, SF-sf (Garfield 829)
B.S., Kentucky, 1893; M.D., Columbia, 1896. House Surgeon and Physician, Patterson General Hospital, 1896–98; U.S. Public Health Service, 1898–1910; Chief Quarantine Officer, San Francisco, 1906–9; Visiting Physician, Queen's Hospital, Honolulu, 1910–11, Visiting Surgeon, 1911–15; Member Territorial Board of Health, Honolulu, 1911–21; President, Medical Society, Hawaii, 1912–13; Visiting Surgeon, Children's Hospital, Honolulu, 1917–18. At Stanford since 1920.

†Howard, Russell Marion, Economics (1234) 759 Webster-p
B.S., Oregon Agricultural College, 1914; M.S., University of Arizona, 1924.

Ihrig, Laura J., Research Assistant (Public Health and Preventive Medicine) (1) 2678 California, SF-sf
A.B., California, 1924; A.M., Stanford, 1926.

†Irvine, Robert Steele, Surgery (Eye) (123) 209 Post, SF-sf (Sutter 472)
B.S., Nebraska, 1910, A.M., 1915; M.D., Columbia, 1914. Interne, First Surgical Division, Bellevue Hospital, 1914–16; U.S. Navy Medical Corps, 1917–19; Assistant in Otolaryngology, San Francisco Polyclinic, 1919–22; Eye, Ear, Nose, and Throat Service, South San Francisco Hospital, since 1919. At Stanford since 1922.

Jacob, Lina Stella, Education (13) 326 Lytton-p (PA 2733J)
A.B., Stanford, 1914, A.M., 1915.

Jensen, Dortha Williams (Mrs.), Research Assistant (Study of Gifted Children) (1234) 274 Park Blvd.
A.B., Indiana State Normal School, 1922; A.M., Ohio State University, 1925. Assistant in Chemistry, Indiana State Normal School, 1920–22; Instructor in English and Spanish, Straughn (Ind.) High School, 1922–23; Assistant Principal, Cowan (Ind.) High School, 1923–24.

†Jensen, Milton B., Education (3) 274 Park Blvd.
B.S., Utah Agricultural, 1924; A.M., Stanford, 1925, Ph.D., 1927.

Jones, Herbert Edward, Civil Engineering (2) 543 Byron-p
A.B., Stanford, 1926.

†Jones, J. Walter, Medicine (12) 490 Post, SF-sf (Sutter 376)
A.B., Stanford, 1913, A.M., 1914, M.D., 1921. Resident in Surgery, Lane Hospital, 1922–23. At Stanford since 1923.

Jones, Naomi, English (123) Manzanita
A.B., Ohio Wesleyan University, 1925; A.M., Stanford, 1927.

Kay, Mary Evelyn, Research Assistant, Physiology (1234) 421 Kipling (PA 1770J)
A.B., Tulane, 1924.

Kisich, Margaret Shedd (Mrs.), English (Public Speaking) (4) Belmont-b (Belmont 47)
A.B., Stanford, 1920.

†Kitagawa, Kay Jiro, Medicine (12) 1780 Post, SF-sf (Fillmore 5288)
A.B., Stanford, 1914, M.D., 1919.

Klyver, Fred, Jr., Biology (23) Menlo Park-Box 193, mp
A.B., Stanford, 1927.

†Krueger, Albert Paul, Bacteriology (4) 5441 California, SF-sf (Evergreen 7707)
A.B., Stanford, 1925.

Kurtz, Albert, Research Assistant, Psychology (23) Menlo Park-Box 485, mp
A.B., Stanford, 1926.

Lamb, Mildred Elizabeth, Economics (2) 147 Emerson-p
A.B., Kansas, 1926.

†Lawrence, George Louis, Romanic Languages (4) 680 Sutter, SF-sf
A.B., Stanford, 1913, A.M., 1914.

Lewis, John Kent, Medicine (1) Stanford Hospital, SF-sf (West 6193)
A.B., Stanford, 1918, M.D., 1922. Junior Interne, Lane Hospital, 1921–22, Resident in Medicine, 1923–25.

Littler, Robert M. C., English (Public Speaking) (123) 151 Cowper (PA 619J)
A.B., Stanford, 1925, A.M., 1927.

Loveless, Mary Hewitt (Mrs.), Medicine (Physiotherapy) (123) Twentieth Ave. and Taraval, SF-sf (Sunset 8986)
A.B., Stanford, 1921, M.D., 1925.

McCollister, Earl H., Romanic Languages (1) Menlo Park-mp
B.L., California, 1903.

McCully, Leona Hadley (Mrs.), Education (1) 1035 Bryant-p (PA 759W)
A.B., Indiana University, 1905.

†McKenzie, Roger Bain, Medicine (123) 109 Sixteenth Ave., SF-sf (Evergreen 3250)
A.B., California, 1919; M.D., Stanford, 1924.

McPhee, Victor C., Medicine (Pediatrics) (4) Stanford Medical School, SF-sf
A.B., California, 1922.

Mancini, John Adolph, Civil Engineering (123) 525 Encina
A.B., Stanford, 1926.

Marburg, Helen, Romanic Languages (123) 10 Salvatierra (PA 1059)
A.B., University of London, 1914.

Marshall, Donald Carlyon, Neurology and Pharmacology (23) 2209 Buchanan, SF-sf
A.B., Stanford, 1925.

Meadowcroft, Allan James, Mathematics and Civil Engineering (1) 303 Stanford Union
A.B., Stanford, 1926.

Meherin, J. Minton, Surgery (San Francisco Hospital) (123) 76 Sea Cliff Ave., SF-sf (Evergreen 611)
M.D., Harvard, 1922. Interne, San Francisco Hospital, 1922–23.

Meylan, Edward Fernard, Romanic Languages (12) 1140 Sutter, SF-sf
A.B., Stanford, 1926, A.M., 1927.

Michelson, Lewis, Obstetrics and Gynecology (1234) 490 Post, SF-sf (Kearny 4458)
M.D., Cooper Medical College, 1917. Student, Vienna, 1910–11; Special Worker, Brady Urological Institute, Johns Hopkins University, 1916–17; Director of Bureau of Social Hygiene, California State Board of Health, since 1918. At Stanford since 1917.

Miner, Glen B., Romanic Languages (23) 333 Stanford Union (PA 2900)
A.B., Brigham Young, 1924.

†Minner, Victor Julian, Mining and Metallurgy (123) University Park
A.B., Stanford, 1925, Engineer, 1927.

†Moore, Chester B., Obstetrics and Gynecology (Women's Clinic) (23) 384 Post, SF-sf
B.S., California, 1906, M.D., 1909. Interne, University of California Hospital, 1909–10, Resident Obstetrician, 1910–11; House Officer, Children's Hospital, Boston, 1911–12.

Morrissey, Edmund J., Surgery (San Francisco Hospital) (123) 1844 Laguna, SF-sf (Fillmore 5505)
A.B., St. Ignatius, 1917; M.D., California, 1922.

Murray, Janet, Research Assistant, Food Research Institute (1234) Menlo Heights
A.B., Vassar, 1926.

Niemann, Christian William, Chemistry (123) 1176 Emerson-p
A.B., Stanford, 1925, A.M., 1926.

Norberg, Raymond W., Chemistry (1) 205 Stanford Union (PA 2900)
A.B., Stanford, 1925, A.M., 1927.

Norman, Charles, Jr., Economics (12) 27 Salvatierra
A.B., DePauw, 1922.

Norris, Mabel Harriet, Research Assistant, Chemistry (234) 1001 Cowper (PA 2065)
B.Sc., University of Bristol, 1920, B.Sc. with Chemistry Honors, 1921, M.Sc., 1922. Teaching Diploma in Education, University of Bristol, 1923; Assistant Librarian and Research Assistant, Department of Physical Chemistry, University of Bristol, 1923–26. At Stanford since 1926.

Ostroff, Robert Allison, Surgery (123) 516 Sutter, SF-sf (Douglas 6779)
A.B., Nevada, 1915; M.D., Stanford, 1919.

Owens, Marion Byrns (Mrs.), English (2) 12 Homer Court-p
A.B., Idaho, 1920; A.M., California, 1923.

Page, Dorothy, Romanic Languages (1) Madroño (PA 1025)
A.B., Stanford, 1926, A.M., 1927.

Parrott, James Clifford, Medicine (Pediatrics) (123) 490 Post, SF-sf (Douglas 9297)
M.D., Stanford, 1920.

Peterson, C. Emelia, Research Assistant (Public Health and Preventive Medicine) (1234) 2424 Washington, SF-sf (Fillmore 4782)
A.B., California, 1921, A.M., 1922.

Pillsbury, Stirling G., Obstetrics and Gynecology (23) Lane Hospital, SF-sf (West 6193)
A.B., Stanford, 1920.

Preston, Ruth, Education (12) 351 Channing-p (PA 972R)
A.B., California, 1916. Head of English Department, Palo Alto Union High School, since 1921.

Price, L. Glynne, Bacteriology (1) Seventh Ave. and Dewey, SF-sf (Sunset 7701)
A.B., Stanford, 1925.

Radir, Paul Leininger, Biology (1) 518 Webster-p
A.B., California, 1924, A.M., 1925.

Ramsperger, Barbara Burks (Mrs.), Research Assistant, Psychology (Study of Gifted Children) (1234) 337 Hamilton-p (PA 1809R)
A.B., Stanford, 1924.

Rawlins, Aubrey Gatliff, Surgery (Ear, Nose, Throat) (23) San Francisco Hospital, SF-sf (Mission 827)
A.B., Stanford, 1921, M.D., 1925.

Rethwilm, Lorruli Anna, Surgery (Anesthesia) (123) 2217 Webster, SF-sf (West 399)
A.B., Washington University, 1913; M.D., Stanford, 1917. At Stanford since 1921.

Reyes, Esteban, Medicine (Dermatology) (4) Stanford Medical School, SF-sf

Ridley, Daniel Graves, Mathematics (123) 231 Stanford Union (PA 2900)
A.B., Stanford, 1924, J.D., 1926.

Ruch, Floyd Leon, Research Assistant, Psychology (123) 665 Hanover
B.S., University of Oregon, 1915; A.M., State University of Iowa, 1926.

Salandra, Dominic, Romanic Languages (123) 727 Addison-p (PA 1219R)
A.B., Reed, 1923; A.M., Stanford, 1927.

†Salomon, Edward, Surgery (Genito-Urinary) (12) 516 Sutter (Garfield 6510)
B.S., California, 1913; M.D., Stanford, 1916. At Stanford since 1921.

Schink, Clifford Ernest, Economics (123) 211 Sequoia
A.B., Stanford, 1926.

Sessions, Royal Fred, Chemistry (23) 742 Bryant-p
A.B., Southwestern, 1921; M.S., Vanderbilt, 1922.

†Shevky, Eshref, Research Assistant, Pathology (1234) Summit Ave., Mill Valley-mv (MV 853)
Ph.D., Stanford, 1922.

Smith, George E. P., Jr., Chemistry (123) 230 Kellogg-p
B.S., University of Arizona, 1926.

†Smith, Herbert Gordon, Surgery (Ophthalmology) (4) 2474 Washington, SF-sf (Walnut 1429)

†Sonnenberg, Arthur, Medicine (123) 309 Flood Bldg., SF-sf (Kearny 7797)
M.D., University of Kiel, Germany, 1921.

Spirito, Olga, Romanic Languages (12) Madroño (PA 1025)
A.B., University of California, Southern Branch, 1926; A.M., Stanford, 1927.

Stark, Anna Vaal, Education (Girl Scout Leadership) (2) 500 Melville-p
A.B., Stanford, 1917.

†Stewart, Francis Samuel, Mathematics (2) 521 Fulton-p
A.B., Stanford, 1923, A.M., 1924.

†Stockton, Andrew Benton, Pharmacology (123) 2401 Sacramento, SF-sf (Walnut 3795)
A.B., Stanford, 1923.

†Stoops, Roy Philson, Surgery (Ear, Nose, Throat) (123) 1904 Franklin, Oakland-o (Oakland 2312)
A.B., University of Oklahoma, 1898; M.D., University of Illinois, 1903.

Straup, Danella, Chemistry (12) Madroño (PA 1025)
A.B., University of Utah, 1923; A.M., Stanford, 1926.

†Sullivan, James M., Medicine (12) 691 Fourteenth Ave., SF-sf (Bayview 2756)
B.S., St. Louis University, 1922, M.D., 1923. Resident Physician, St. Mary's Hospital, 1923–24. Surgeon, Emergency Hospital Service, since 1924.

†Taylor, Pleasant A., Medicine (123) 501 Fitzhugh Bldg., SF-sf (Douglas 5726)
B.S., Oklahoma, 1912; M.D., Tulane, 1916. Instructor in Anatomy, Tulane University, 1912–16.

Thayer, Lewis A., Biology (1) 320 Stanford Union (PA 2900)
B.S., State College of Washington, 1925, M.S., 1926.

†Tinker, Miles A., Psychology and Education (123) 918 Ramona (PA 1093)
A.B., Clark University, 1921, A.M., 1922; Ph.D., Stanford, 1927.

Waitzinger, Ludwig A., Research Assistant, Biology (123) 531 Harvard
B.S., Jena University, 1912.

Wall, Hugo, Research Assistant, Political Science (123) 214 Stanford Union (PA 2900)
A.B., Stanford, 1926.

Weaver, Homer Ellsworth, Psychology (234) 334 Waverley-p
A.M., Oberlin, 1926.

Webster, Lawrence Elbert, Chemistry (12) 314 Sequoia
A.B., Stanford, 1926.

Weigel, Stanley A., English (Public Speaking) (3) 419 Encina
A.B., Stanford, 1926.

Weinland, Clarence Eberman, Physics (123) 226 Stanford Union (PA 2900)
A.B., Stanford, 1926, A.M., 1927.

Weiss, Marie Joanna, Mathematics (4) Roble (PA 3100)
A.B., Stanford, 1925.

Weller, Fred Ames, English (Public Speaking) (3) 115 Alma-p
A.B., State College of Washington, 1925.

Whiteside, George Kenneth, Economics (123) 721 Waverley-p (PA 2658W)
A.B., Yale, 1922.

Wildman, Mary Frances, Romanic Languages (123) 24 Cabrillo (PA 1179)
A.B., Stanford, 1922, A.M., 1927.

Williams, Gwladys Louise, Romanic Languages (123) Madroño (PA 1025)
A.B., California, 1921, A.M., 1922.

Willits, John Metts, Civil Engineering (12) Willow Road-Box 684, p
A.B., Stanford, 1925.

†Wilson, Edwin Everett, Economics (2) 375 Everett-p
B.S., Minnesota, 1923.

Wisely, Horace, Economics (12) 730 Everett-p (PA 3017)
A.B., Stanford, 1925.

Woehnert, Marian, Physical Education (Roble Gym.) (123) 332 Forest (PA 2726J)

Wolf, Carl Brandt, Biology (23) 643 High-p
A.B., Occidental, 1926; A.M., Stanford, 1927.

Wood, David Alvra, Chemistry (3) 2315 Webster, SF-sf
A.B., Stanford, 1926.

Woolley, Eola Claire, Biology (123) 834 Kipling-p (PA 668R)
A.B., Tulane University, 1926.

Wooster, Ruth Constance, Chemistry (4) 238 Roble (PA 3100)
A.B., Stanford, 1927.

Workman, Everly John, Physics (12) 502 University-p
B.S., Whitman College, 1924.

Wright, Wallace, Economics (1234) 10 Stanford Union (PA 2900)
A.B., Dartmouth, 1919; A.M., Stanford, 1924. Instructor in Economics, Dartmouth College, 1921–23.

Wyatt, Horace Graham, Psychology (4) Menlo Heights
A.B., Oxford, 1902, A.M., 1910.

Yeatman, Robert Mack, Physics (3) 303 Sequoia
A.B., Stanford, 1927.

TECHNICAL ASSISTANTS

Allen, Edna B., Secretary, Food Research Institute (12) 1035 Alma

Allred, Mary A. (Mrs.), Secretary, Physics (1234) Menlo Heights

Antonacci, Michael Henry, Biology (1) 319 Stanford Union (PA 2900)
A.B., Stanford, 1924.

†Barrett, Frank C., Anatomy (34) 129 Emerson-p (PA 2449W)

Bennett, Cassie E. (Mrs.), Secretary, Economics (1234) 158 Kingsley-p (PA 782W)

Benson, Gilbert T., Assistant Curator and Librarian (Dudley Herbarium) (234) Kingscote
A.B., Stanford, 1923, A.M., 1925.

Berkowitz, Alexander, Secretary and Technical Assistant to Medical Adviser of Men (Encina Gym.) (1234) 318 Emerson-p (PA 2962J)

Bigham, Leta L. (Mrs.), Stenographer, Graduate School of Business (1234) 536 Cowper-p

Binkley, Frances Williams (Mrs.), Secretary, Geology (1234) 927 Webster-p (PA 2465J)
A.B., Stanford, 1923.

Blewett, Frances, Secretary, English (234) 528 Lincoln
A.B., Stanford, 1921.

†Borrow, Sidney W., Physics (1234) 520 Lowell-p (PA 1739J)

Boulware, Alice, Secretary, Physical Education (Roble Gym.) (1234) 170 Bryant-p (PA 403J)

†Bruce, Walter Johnson, Chemistry (1234) 415 Florence-p (PA 342W)

Buckwalter, John Cassel, Guggenheim Laboratory (1234) 1511 Waverley-p (PA 1318J)
A.B., Stanford, 1924.

Button, Kathryn, Stenographer, Guggenheim Laboratory (1234) 812 Forest-p (PA 1870R)

Curtis, Wilmetta, Librarian and Custodian of Storeroom (School of Biology) (1234) 641 Gilman

Ferris, Roxana Stinchfield (Mrs.), Botany (1234) 667 Melville (PA 2746W)
A.B., Stanford, 1915.

Gossman, Charles, Anatomy (1234) 1487 College

Hickman, Grace, Secretary, Mining (34) 550 University (PA 1172W)

Hill, Frank, Mechanical Engineering (1234) 515 Marian-Box 451, p

Howard, Lot Duncan, General Assistant (Hopkins Marine Station) (4) Pacific Grove-pg

Huskey, Anne K. (Mrs.), Secretary, Civil Engineering (1234) 1344 Emerson (PA 653W)

†Ignacio, Frank, Museum (1234) 526 Lowell

Johnson, Sylvia, Bacteriology (1234) 574 Addison-p (PA 1751)
B.S., University of Washington, 1924.

Kay, Mary Evelyn, Secretary, Physiology (1234) 421 Kipling (PA 1770J)
A.B., Tulane, 1924.

Kildale, Doris, Botany (3) Manzanita
A.B., Stanford, 1926, A.M., 1927.

†Kiler, E. Leslie, Dramatics (Public Speaking) (1234) 202 Portola (PA 2805J)
A.B., Stanford, 1924.

†King, Douglas Low, Statistical Assistant, Food Research Institute (1234) 257 Hawthorne-p
A.B., Stanford, 1926.

†Lemos, Frank B., Museum (1234) 552 Tennyson (PA 2226J)

†Lemos, John T., Art Gallery (1234) 627 Seale (PA 2713)

Lenox, Alice Berger (Mrs.), Chemistry (123) 73 N. Sixth, San Jose (SJ 3736J)

Masson, Adele, Secretary, English (1) 445 S. Market, San Jose-sj (SJ 5198R)

Mermod, Ruth Camille, Anatomy (1234) 147 Emerson (PA 524M)
A.B., Mills, 1922.

Merriam, Katharine, Secretary to Dr. Davis, Food Research Institute (1234) [421 Kipling (PA 1770J)
A.B., Mt. Holyoke, 1924.

Murray, Katherine, Secretary, Psychology (1234) 1011 Fulton-p (PA 1219J)

†Myers, George S., Natural History Museum (1234) 336 Homer-Box 821, p (PA 1302M)

Newnan, Gladys, Bacteriology (1234) Mountain View-mv (MV 13F1)
A.B., Stanford, 1924.

Nichols, Laura, Secretary, Bacteriology (234) 414 Hurlingham, San Mateo-sm

O'Carroll, Harry James, Mining (123) Sequoia
A.B., Stanford, 1926.

Oldroyd, Ida Shepard (Mrs.), Curator, Geology (123) 10 Alvarado (PA 198)

†Oldroyd, Thomas Shaw, Assistant Curator, Geology) (123) 10 Alvarado (PA 198)

Rooney, Margaret, Secretary, Food Research Institute (1234) 526 Byron (PA 591W)

Rose, Karl, Glass-blower, Chemistry (1) 718 Bryant-p (PA 461R)

†Schall, Ulysses A., Mining and Metallurgy (1234) 429 Ruthven-p (PA 819R)

†Scott, Thomas Benjamin, Storekeeper, Chemistry (1234) Mayfield-m

Snoddy, Charles, Secretary and Technical Assistant, Military Science and Tactics (1234) 439 Emerson-p (PA 636)

Stevens, Julia R., Mechanical Engineering (1234) 926 Cowper (PA 550J)

Stuart, Burton, Physics (1234) Mayfield-m

Tanner, Hilda V. (Mrs.), Secretary, Mining (12) 1111 High (PA 413)

Tichonrovov, Alexander A., Geology (34) 358 Homer-p

Tracie, Doris (Mrs.), Stenographer, Graduate School of Business (234) Palo Alto-R.D. 1, Box 195A, p (PA 1693)

Tyler, Rose T. (Mrs.), Secretary, History (1234) 420 Waverley-p

Uhlman, Walter, Engineer, Mechanical Engineering (1234) 305 Emerson-p (PA 1110J)

Webb, Laura Sherman, Publicity (12) 723 Hamilton-p (PA 2363J)
A.B., Stanford, 1926.

Wells, Margaret S. (Mrs.), Librarian, Education (1234) 351 Cowper (PA 2630J)

Wetherell, Helen, Anatomy (1234) 271 Addison
A.B., Wheaton, 1924; A.M., Brown, 1926.

ASSISTANTS IN ADMINISTRATION

OFFICE OF THE PRESIDENT

†Beardsley, Charles Edward, Assistant to Dean of Men (Board of Athletic Control) (123) 947 Webster-p
A.B., Stanford, 1925.

Boezinger, Olivia, Secretary to Dean of Women (123) University Park (PA 798W)
A.B., Stanford, 1924.

Buchanan, Dorothy, Record Clerk, Appointment Secretary's Office (234) Palo Alto-Box 431, p (PA 242J)
A.B., Stanford, 1925.

Christensen, Lucy, Filing Clerk, Appointment Secretary's Office (4) 552 Hamilton-p (PA 878J)

Church, Vivienne, Secretary to Dean of Men (1234) Los Altos-la (LA 31W)

Coe, Eloise (Mrs.), Recommendation Clerk, Appointment Secretary's Office (1234) County Road, Mayfield-m (PA 417W)

Elgin, Anita Weston (Mrs.), Secretary to Alumni Secretary (1234) 242 Middlefield-p

Hull, Mary, Executive Assistant, Appointment Secretary's Office (1234) Kingscote
A.B., Stanford, 1925.

Jones, Eleanor, Filing Clerk, Appointment Secretary's Office (3) 353 Lytton-p (PA 745W)

Krogh, Kathryn, Assistant, Appointment Secretary's Office (1234) 951 Forest-p (PA 1560M)

Peipers, Pauline, Secretary to Dean of Women (4) 114 Roble (PA 3100)
A.B., Stanford, 1926.

Spenner, Irene (Mrs.), Executive Assistant, Appointment Secretary's Office (1234) 436 Waverley-p (PA 2997)
A.B., Indiana University, 1923.

OFFICE OF THE REGISTRAR

Billings, Geraldine, Assistant (12) 620 Gilman
A.B., Stanford, 1922, A.M., 1923.

Brashear, Edith A. (Mrs.), Assistant (1234) 256 University, Los Gatos-lg (LG 39R)

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A.B., Whitman, 1908; A.M., Chicago, 1911.

Gibson, Etta, Assistant (123) Menlo Heights (PA 1243M)

Kulmann, Lois Doe (Mrs.), Assistant (1234) 1119 High-p (PA 2543W)
A.B., Stanford, 1926.

Moore, Myrtle, Assistant (1234) Menlo Heights (PA 1243M)
Ph.B., University of Chicago, 1922.

Osborn, Cleora O. (Mrs.), Assistant (1234) 522 Homer-p

Stevens, Florence Tuttle, Assistant (4) Homer Court

Weichselfelder, Marguerite, Assistant (1234) 456 Ruthven-p (PA 1858W)
A.B., Stanford, 1925.

THE LIBRARY

Alenin, Simeon M., Loan Desk (1234) 521 Channing-p
M.D., University of St. Vladimir (Kieff, Russia), 1919.

Belenky, Lucas, Loan Desk (1234) 1431 Waverley-p

Berry, Hortense Louise, Assistant, Document Division (1234) 345 Kellogg-p
A.B., California, 1918.

Boezinger, Lina, Typist, Hoover War Library (1234) 431 Channing-p (PA 1289)

Buchanan, A. Russell, Assistant, Loan Desk (234) 329 Stanford Union-Box 431, p
A.B., Stanford, 1927.

Cox, Mary, Assistant, Loan Desk (4) 1118 Emerson-p

Dawson, Orcena, Assistant, Order Division (4) Los Altos-la

Hadley, Gertrude, Assistant, Order Division (4) Redwood City-Box 156, rc

Hayes, Bernice, Assistant, Reference Division (4) 1 Salvatierra (PA 1025)

Hogan, Phyllis, Filing Clerk (4) 604 Tennyson-p

Hogan, Verda, Reference Assistant (4) 604 Tennyson-p
A.B., Stanford, 1927.

Kelso, Mabel A., Secretary, Hoover War Library (1234) 151 Melville-p

Krassovsky, Dimitry M., Assistant, Hoover War Library (1234) 611 Bryant (PA 3931)

Landweer, Ina E., Cataloguer, Hoover War Library (1234) 1931 Alameda, Santa Clara-sc

Lantzeff, George, Assistant, Loan Desk (4) 1431 Waverley-p (PA 3023W)

Lillie, Raymond, Assistant, Order Division (4) 251 Toyon

McCracken, Margaret, Typist, Hoover War Library (1) 17 Lasuen

McLean, Philip T., Assistant Reference Librarian, Hoover War Library (1234) 330 Waverley-p
A.B., Pomona, 1925.

Maier, Louise, Secretary to the Director (1234) Mayfield-Box 277, m (PA 2260W)

Miles, Bonita E., Cataloguer (1234) 1 Salvatierra (PA 1025)
A.B., Nevada, 1924.

O'Keefe, Marcella Frances, Assistant, Order Division (1234) Menlo Park-Box 516, mp
A.B., Stanford, 1926.

Owens, William, Loan Desk (1234) 630 Lincoln-p

Rensch, Ethel G. (Mrs.), Loan Desk (1234) 922 College, Mayfield-m (PA 1474W)

Robertson, Muriel, Typist, Catalogue Division (1234) 1423 Balboa, Burlingame-b

Scibird, Ruth, Reference Division (1234) 1 Salvatierra (PA 1025)

Sheldon, Frances E., Law Librarian (1234) 851 University (PA 475)
A.B., Stanford, 1922, J.D., 1924.

Siegfried, Victoria, Typist, Catalogue Division (1234) 310 Waverley-p

Silveira, Edith Cook (Mrs.), Order Division (1) Los Altos-la (LA 164W)

Sloan, Alice, Order Division (12) Mountain View-mv (Sunnyvale 72W)

Spaulding, Ruth I., Chief of Serial Division (1234) 528 Channing-p (PA 541)
A.B., Stanford, 1922.

Steinmetz, Ruth L., Cataloguer (1234) 1021 Ramona-p (PA 463)
A.B., Stanford, 1922.

Stockle, Louise, Assistant, Reference Division (1234) 234 Grant Road, Mountain View-mv (MV 6F13)
A.B., California, 1923.

Tinney, Eileen, Order Division (1234) 192 Bryant-p

Tum Suden, Linda, Cataloguer, Lane Medical Library (1) 3008 Clay, SF-sf (Fillmore 1781)

Wedel, Marie D. (Mrs.), Reference Division (1234) 480 Washington (PA 2811J)
A.B., Southern California, 1922.

Wedel, Olivia A., Cataloguer (1234) 340 Embarcadero-p (PA 436J)

Weller, Fred A., Assistant, Loan Desk (234) 115 Alma-p (PA 806)
A.B., State College of Washington, 1925.

Zeidler, Lois, Assistant, Loan Desk (234) 1630 Middlefield-p (PA 917M)

OFFICE OF THE COMPTROLLER

Accounting Department

Bale, Ella Michelsen (Mrs.), Secretary to Auditor (1234) 802 Waverley-p

Clarkin, John, Clerk (1234) 145 Monroe, Redwood City-rc

Douglas, Louise, Endowment Clerk (123) 333 Winslow, Redwood City-rc

Ellis, Arthur S., Special Accountant (12) Stanford Union (PA 2900)

Evans, Fred, Cost Accountant (123) 519 Webster-p (PA 2430W)

Fournie, Lillian, Endowment Clerk (1234) 252 Ramona-p (PA 1615R)

Hall, Elsie (Mrs.), Private Exchange Operator (1234) 649 Fulton-p (PA 281J)

Hodgen, Vivian, Private Exchange Operator (1234) 742 Bryant-p (PA 2974W)

†Irvin, David W., Head Bookkeeper (1234) 21 Alvarado (PA 515M)

Jensen, Marien, Stenographer and Clerk (1234) 124 Emerson-p

Moscovitz, Pearl, Payroll Clerk (1234) 415 Florence-p (PA 342W)

Rasmussen, Peslita M. (Mrs.), Bookkeeper (1234) 1168 Greenwood-p

†Rathman, George A., Bookkeeper (1234) 653 Stanford-p

Smith, Gladys B. (Mrs.), Cashier (1234) Stanford University (PA 245J)

Thompson, Rosalind (Mrs.), Bookkeeper (1234) 395 Martin, San Jose-sj

Tuxford, Marjorie E. (Mrs.), Endowment Clerk (4) . 7 Homer Court-p

†Yancey, Lee F., Special Accountant (4) 1098 Emerson-p

Mimeograph Bureau

Ramsey, Agnes Craig (Mrs.), Mimeographer (1234) 20 Lasuen (PA 1021J)

Tronslin, Maude S. (Mrs.), Secretary to Dr. Jordan (1234) 832 Kipling (PA 668M)

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Allan, Elsie D., Hostess (1234) 2418 Washington, SF-sf (Fillmore 2030)

Allison, Velma B., Cashier (123) 610 Hyde, SF-sf (Franklin 2851)

Caro, Ruth, Cashier (1) 2557 Clay, SF-sf (Fillmore 4964)

Eriksen, Einar, Bookkeeper (1234) 393 Twentieth Ave., SF-sf (Evergreen 9837)

Foran, Katherine, Telephone Operator (1234) 2019 Webster, SF-sf (Fillmore 7974)

Gibson, Helen I., Stenographer and Clerk (234) 970 Bay, SF-sf (Graystone 6640)

Griffin, Hiram E., Night Cashier (1234) 2860 Sacramento, SF-sf (West 7616)

Hamilton, Bess (Mrs.), Telephone Operator (123) 1260 Grove, SF-sf (Fillmore 7560)

Hammond, Myrtle, Information Clerk (1234) 391 First Ave., SF-sf (Pacific 845)

Heard, Ida, Telephone Operator (1234) 1925 Oak, SF-sf (Park 3906)

Hilleary, Lila (Mrs.), Cashier, (4) 946 Geary, SF-sf (Graystone 9757)

Hindman, Mae, Admission Clerk (1234) 935 Pine, SF-sf (Prospect 8722)

Horn, Eleanor, Secretary to Physician Superintendent (234) 319 Seventeenth Ave., SF-sf (Evergreen 3204)

Hughes, Margaret, Telephone Operator (1234) 2440 California, SF-sf (Fillmore 3422)

Lorenzen, Dorothy (Mrs.), Telephone Operator (4) 1471 Seventh Ave., SF-sf (Sunset 1127)

Lundquist, Lucile P., Secretary to Physician Superintendent (1) 2339 California, SF-sf (West 6020)

Medd, Fannie (Mrs.), Telephone Operator (1234) 2321 Sacramento, SF-sf (West 2836)

Miller, Annie, Information Clerk (1234) 1808 Octavia, SF-sf (West 1965)

Murphy, James J., Bookkeeper (1234) 114 St. Roses Ave., SF-sf (Pacific 2264)

Norvell, Driskill A., Bookkeeper (1234) 947 Bush, SF-sf (Prospect 6848)

Phelan, Genevieve (Mrs.), Business Office Representative in Clinics (234) 860 Arguello Blvd., SF-sf (Bayview 5964)

Rodin, Sophia, Business Office Representative in Clinics (1) 2015 Laguna, SF-sf (Walnut 797)

Ross, Chester J., Accountant (1234) 487 Thirty-fifth Ave., SF-sf (Evergreen 3532)

Smith, Mabel, Information Clerk (1234) 795 Geary, SF-sf (Prospect 5128)

Splain, Marie, Mail Clerk (1234) 1641 Washington, SF-sf (Graystone 2046)

Stockton, Melva (Mrs.), Night Information Clerk (1234) 2401 Sacramento, SF-sf (Walnut 3795)

Corporation Yard

†Allen, Everett A., Foreman Plumber (1234) Stanford Park (MP 801W)

†Banham, Frank D., Mechanician (123) 705 University-p (PA 1305R)

†Button, Roy H., Superintendent of Buildings and Grounds (12) 812 Forest (PA 1870R)

†Collins, Ralph, Foreman, Garage (1234) Menlo Park (PA 2457W)

†Corwin, George W., Assistant Mechanician (1234) 827 Webster-p (PA 783M)

†Dugan, Robert E., Fire Marshal (1234) Stanford University (PA 1666, PA 2461)

†Hachten, John C., Clerk, Yard Office (1234) 857 Grange Rd., Burlingame-b (B 5439)

†McDonnell, James W., Assistant Superintendent of Buildings and Grounds (1234) 618 Fulton (PA 2363W)

Maier, Henry, Landscape Gardener (1234) 325 Occidental, Burlingame-b (B 490)

†Schilling, John C., Foreman Carpenter (1234) 1042 Cowper

†Smith, George B., Foreman Painter (1234) 253 Homer-p

†Thornton, Joseph, Labor Foreman (1234) 542 Cowper-p (PA 1771)

†Waterman, Edward H., Chief Engineer, Power House (1234) 567 Lytton-p

Dormitories

†Ayres, Elliott H., Manager, Men's Dormitories (1234) 826 Homer-p (PA 2900, PA 1855M)

Call, Harry William, Custodian, Sequoia Hall (123) 104 Sequoia

Ferrante, Peter Joseph, Custodian, Toyon Hall (123) 243 Toyon (PA 2900)

Gaw, Harold P., Custodian, Branner Hall (123) 302 Branner (PA 2900)

Guffin, Earnest Ellsworth, Custodian, Stanford Union (123) 202 Stanford Union (PA 2900)

Tice, Louise J., Night Matron, Roble Hall (123) 174 Roble (PA 3100)

Foreman Outside Properties

†Frehe, Fred W. (1234) Stanford University

Purchasing Department

†Widman, Fred, Purchasing Agent (1234) San Francisco-sf (West 6193)

†Hackenberger, William, Assistant Purchasing Agent and Storekeeper (1234) Stanford University (PA 519J)

Miller, Ensel B. (Mrs.), Secretary to Purchasing Agent (1234) 818 Cowper-p (PA 878R)

Purchasing Department, Stanford University Hospitals

†Widman, Fred, Purchasing Agent and Storekeeper (1234) San Francisco-sf (West 6193)

Easley, Annie May, Receiving Clerk (1234) 2404 Clay, SF-sf (Fillmore 8829)

Nolan, Helen, Stenographer (1234) 1474 Golden Gate, SF-sf (West 3030)

Suter, Henrietta, Assistant Storekeeper (1234) 621 Eleventh Ave., SF-sf (Pacific 7134)

University Press

†Barnes, Arthur C., Foreman, Composing Room (1234) 1029 Parkinson-p (PA 2650W)

†Borsdamm, John, Foreman, Bindery (1234) 798 Palo Alto-p (PA 2436J)

†Goodspeed, Dewey, Accountant (1234) 144 Tasso-p (PA 1294M)
A.B., Utah, 1924. At Stanford since 1925.

Harris, Helen M., Stenographer (123) 333 Portola-p (PA 2162R)

Johnson, Ethel, Stenographer (1234) 1333 Tasso-p (PA 1718R)

Lamson, David, Assistant, Publications and Sales (1234) 319 Poe (PA 2133)
A.B., Stanford, 1925.

†Smith, C. Brainard, Foreman, Pressroom (1234) 1211 Fulton-p (PA 1910M)

Whittern, Jessie Dunten (Mrs.), Assistant Editor (1234) 219 Hawthorne (PA 677J)
Head Proofreader, University of Chicago Press, 1911–18, Assistant Editor, 1919–25. At Stanford since 1925.

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Pryor, Kathleen, Stenographer (1234) 25 Eighth Ave., SF-sf (Pacific 9621)

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Aten, Imogen, Bookkeeper, Accountant's Office (34) 1404 Floribunda, Burlingame-b (B 4576)

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†Clark, Donald F., Office Manager (12) 1447 Byron-p (PA 2392)
A.B., Stanford, 1920.

†Denny, Wallace, Trainer, Encina Gymnasium (1234) 110 Waverley-p (PA 2440J)

Du Guid, Inez, Bookkeeper (2) 554 Lytton-p

DuPrau, Eunice, Office Manager and Secretary to General Manager (1234) 1004 Emerson-p (PA 2646J)

Evans, Fred, Accountant (4) 519 Webster-p (PA 2430W)

†Gage, Bertram A., Accountant's Office (34) 947 Waverley-p

Gemur, Clara E., Stenographer (123) Mayfield-m (PA 1588)

Goesle, Alva I. (Mrs.), Departmental Recorder (4) 1212 Middlefield-p (PA 369W)

†Irwin, Jacob Carney, Manager of Ticket Department (4) Stanford Univ.
A.B., Stanford, 1926.

Kaseberg, Helen, Departmental Recorder (123) Kingscote (PA 2567W)
A.B., Stanford, 1923.

†Liebendorfer, Don E., News Service (1234) 217 Madroño-p (PA 2403)
A.B., Stanford, 1925.

Loder, Edward S., Engineer (1234) 426 Florence-p (PA 344J)
A.B., Stanford, 1924.

McDonald, Emanuel B., Superintendent of Athletic Buildings and Grounds (1234) Track House

†Moffitt, George W., Manager, Encina Gymnasium Store (1234) 411 College, Mayfield-m (PA 1972J)

†Oliver, Howard R., Accountant (12) 309 Fernando, M-m (PA 2028M)

Quinn, Tom B., Graduate Sport Manager (1) 6 San Juan

Stevens, Inez, Accountant's Stenographer (1234) 926 Cowper-p (PA 2596)

DINING HALLS

Case, Charlotte B. (Mrs.), Bookkeeper (1234) 525 Guinda-p (PA 1002J)

Dennison, Louise, Stenographer (123) 1035 Alma-p

Stuart, Beulah, Stenographer (4) 1017 Fulton-p (PA 3170W)

Wood, Harry A., Accountant (4) Hotel Ramona-p (PA 1549)

†Yancey, Lee L., Accountant (123) 209 Webster-p (PA 2714W)

ORGANIZATION

FOUNDATION

Stanford University was established under an Act of the California Legislature, approved March 9, 1885. The Founding Grant, executed November 11, 1885, was made public at a meeting of the Board of Trustees, held in San Francisco, November 14, 1885. The cornerstone of the Inner Quadrangle was laid May 14, 1887, and the institution opened to students October 1, 1891.

NATURE, OBJECT, AND PURPOSE OF THE UNIVERSITY

"We, Leland Stanford and Jane Lathrop Stanford, husband and wife, grantors, desiring to promote the public welfare by founding, endowing, and having maintained upon our estate known as the Palo Alto Farm, and situated in the Counties of San Mateo and Santa Clara, State of California, United States of America, a university for both sexes, with the colleges, schools, seminaries of learning, mechanical institutes, museums, galleries of art, and all other things necessary and appropriate to a university of high degree, to that end, and for that purpose, do hereby grant," etc.

"And that the trust hereby created may be executed according to the wishes of the grantors and each of them, they do hereby designate the Nature, Object, and Purposes of the Institution hereby founded, to be: Its nature, that of a University, with such seminaries of learning as shall make it of the highest grade, including mechanical institutes, museums, galleries of art, laboratories, and conservatories, together with all things necessary for the study of agriculture in all its branches, and for mechanical training, and the studies and exercises directed to the cultivation and enlargement of the mind; Its object, to qualify students for personal success and direct usefulness in life; Its purpose, to promote the public welfare by exercising an influence in behalf of humanity and civilization, teaching the blessings of liberty regulated by law, and inculcating love and reverence for the great principles of government as derived from the inalienable rights of man to life, liberty, and the pursuit of happiness."

NAME OF THE UNIVERSITY

"Since the idea of establishing an institution of this kind for the benefit of mankind came directly and largely from our son and only child, Leland, and in the belief that had he been spared to advise as to the disposition of our estate, he would have desired the devotion of a large portion thereof to this purpose, we will that for all time to come the institution hereby founded shall bear his name, and shall be known as The Leland Stanford Junior University."

MANAGEMENT AND CONTROL OF THE UNIVERSITY

The general management and control of the institution is vested in a Board of Trustees, originally numbering twenty-four, and chosen for life. By the Amending Act of May 31, 1899, the number of trustees was reduced to fifteen, with future elections for a term of ten years. The Board of Trustees fills all vacancies.

POWERS AND DUTIES OF THE TRUSTEES

"The Trustees shall have power and it shall be their duty:

"To appoint a President of the University, who shall not be one of their number, and to remove him at will.

"To fix the salaries of the President, professors, and teachers, and to fix them at such rates as will secure to the University the services of men of the very highest attainments.

"To establish and maintain at such University an educational system which will, if followed, fit the graduate for some useful pursuit, and to this end to cause the pupils, as early as may be, to declare the particular calling which in life they may desire to pursue. . . . .

"To prohibit sectarian instruction, but to have taught in the University the immortality of the soul, the existence of an all-wise and benevolent Creator, and that obedience to His laws is the highest duty of man.

"To have taught in the University the right and advantages of association and co-operation.

"To afford equal facilities and give equal advantages in the University to both sexes.

"The Board of Trustees shall annually report all their proceedings to the person who for the time being shall fill the office of Governor of the State of California, and shall accompany such report with a full account of their financial operation for the preceding year, and with a statement of the financial affairs of the institution."

POWERS AND DUTIES OF THE PRESIDENT

"It shall be the duty of the Trustees to give to the President of the University the following powers:

"To prescribe the duties of the professors and teachers; to remove professors and teachers at will; to prescribe and enforce the course of study and the mode and manner of teaching; such other powers as will enable him to control the educational part of the University to such an extent that he may justly be held responsible for the course of study therein and for the good conduct and capacity of the professors and teachers."

AMENDMENTS TO THE FOUNDING GRANT

A clause in the Founding Grant reserved to the grantors the right to alter, amend, or modify the terms and conditions of the grant in important particulars. Under this provision amendments were made by Mrs. Stanford under date of June 1, 1897, May 31, 1899, March 28, 1902, October 3, 1902, and June 1, 1903. These amendments were concerned mainly with matters of detail, but provided also "that the number of women attending the University as students shall at no time ever exceed five hundred."

An amendment to the Constitution of the State of California, adopted November 6, 1900, "permitted, approved, and confirmed all the trusts, estates, terms, and conditions" of the Founding Grant and of all the deeds, conveyances, and other instruments made and delivered before that date, and authorized the Legislature, under certain conditions, to exempt the property of the University from taxation. Article 13 of the State Constitution, as amended November 3, 1914, exempts from taxation the buildings, grounds

(not exceeding one hundred acres), equipment, securities, and income, used exclusively for educational purposes, of any educational institution of collegiate grade not conducted for profit.

THE UNIVERSITY FACULTY

"The Trustees shall constitute the President and professors the faculty of the University, and shall prescribe their powers and duties as such."

Under the Articles of Organization, adopted by the Board of Trustees March 31, 1904, the power and authority of the University Faculty is vested in the Academic Council, consisting of the President of the University, the Professors and Associate Professors, the Librarian, the Registrar, the Academic Secretary, such Assistant Professors as have been upon the roll of the faculty for three years, whether as assistant professors or instructors, and such other officers of the University or members of the teaching staff as the Academic Council may, with the assent of the Board of Trustees, determine. On October 9, 1924, the following were included in the Academic Council: The Dean of Women, Dean of Men, Chaplain, and, under certain conditions, Teaching Specialists, and members of the Library Staff and Registrar's Office. On June 18, 1926, the Director of the Summer Quarter was added, also the members of the Food Research Institute listed as Economists, Junior Economists, and Research Associates.

All general University regulations, statutes, and rules as to matters within the province of the faculty, must be initiated in and passed by the Academic Council. The Academic Council has general power and responsibility for the internal administration of the University, subject to express provisions contained in the Articles of Organization respecting the methods of exercising such powers through the President of the University, the Advisory Board, the Standing Committees, and the Department Faculties.

The Advisory Board consists of nine members of the rank of professor, one from each of the five department groups, and four chosen without reference to groups. All executive acts of general importance, such as recommendations for appointments, promotions, and dismissals, for the creation of new departments or chairs, etc., must be submitted by the President to the Advisory Board. The Advisory Board is also privileged to make such recommendations to the President, regarding policy, as it may decide by vote to be expedient, but no recommendations for appointments, promotions, or dismissals may originate with the Advisory Board.

The Executive Committee of the Academic Council consists of the President, Vice-President, Registrar, Academic Secretary, and two members from each department group elected by the Academic Council. The Executive Committee appoints the Standing Academic Committees of the Council, with the exception of the Graduate Study Committee which is elected by the Council.

The Standing Administrative Committees of the Council are appointed by the President.

The Department Faculties consist of the Professors, Associate Professors, Assistant Professors, and Instructors in the several departments, but only members of the Academic Council have the right to vote. A Department Faculty has direction of the work of instruction in the department and of the internal administration of the department, subject only to such

control as is vested in the Board of Trustees, the President of the University, and the Academic Council. The Executive Head of the Department Faculty is designated annually by the President with the approval of the Advisory Board and of the Board of Trustees.

SCHOOLS

The scope of the University is indicated by the following Schools which have been organized:

School of Biology (including Anatomy, Bacteriology and Experimental Pathology, Biochemistry, Botany, Food Research, Hopkins Marine Station, Paleontology, Physiology, Psychology, and Zoölogy).

Graduate School of Business.

School of Education.

School of Engineering (including Civil, Electrical, Mechanical, Military Science and Tactics, Mining and Metallurgy).

School of Law.

School of Letters (including Classical Literature, English, Germanic Languages, Romanic Languages, Slavic).

School of Medicine.

School of Physical Sciences (including Chemistry, Geology, Mathematics, Physics).

School of Social Sciences (including Economics, History, Philosophy, Political Science).

For the purpose of elections to the Advisory Board and Executive Committee the Schools of the University are divided into groups, as follows:

Group I. School of Letters.

Group II. School of Biology, School of Medicine, Department of Physical Education.

Group III. School of Physical Sciences.

Group IV. Graduate School of Business, School of Education, School of Law, School of Social Sciences.

Group V. School of Engineering.

The Hopkins Marine Station, located at Pacific Grove, on the Bay of Monterey, is a branch of the biological work of the University.

The Food Research Institute was organized in 1921 under grant from the Carnegie Corporation for the purpose of studying the production, distribution, and consumption of food. The Board of Directors consists of Dr. Carl Lucas Alsberg, Dr. Joseph Stancliffe Davis, and Dr. Alonzo Englebert Taylor. The Advisory Committee comprises Mr. Herbert Hoover, Dr. John C. Merriam, Mr. Julius Barnes, Mr. A. R. Howard, Dr. William M. Jardine, Mr. George C. Roeding, Dean Sarah L. Arnold, the President of the Carnegie Corporation, and the President of Stanford University.

THE UNIVERSITY YEAR

The University year begins the first of October and is continuous throughout four quarters of approximately eleven weeks each. Any three quarters constitute an academic year. The summer quarter differs from other quarters only as the courses of study in the various departments may be

contracted, or expanded, or specialized to meet the needs of a particular constituency; or, as in Physiology and Zoölogy, where the summer program is transferred to the Hopkins Marine Station at Pacific Grove. The emphasis of the summer quarter is placed on advanced and graduate work.

LOCATION

The seat of the University, except for the advanced and clinical work in Medicine, is at Stanford University, in the Santa Clara Valley, thirty miles southeast of San Francisco, on the Coast Division of the Southern Pacific Railway.* The University Trust consists of over seven thousand acres, partly level and partly rising into the foothills of the Santa Cruz Range; about fifteen hundred acres have been set aside as the campus proper. The Bay of San Francisco is about three miles east of the University grounds. Across the bay the Mount Diablo Range rises to a height of over four thousand feet, the Lick Observatory crowning Mount Hamilton, the highest of the range. The Santa Clara Valley is one of the most attractive portions of the state in fertility, in natural beauty, and in the excellence of its climate. In winter the mercury rarely falls below 30 degrees, with an average midday temperature of about 55 degrees. In summer the midday temperature ranges between 60 degrees and 80 degrees, occasionally higher and lower, the average being about 70 degrees; the nights are cool, the usual range being from 50 degrees to 58 degrees. The rainfall, normally about eighteen inches, is chiefly confined to the months from December to April, inclusive.

BUILDINGS

The architectural design of Stanford University, with the detailed plan of the inner quadrangle group, Encina Hall, and the first three engineering buildings, was the work of Mr. Charles Allerton Coolidge, of the firm of Shepley, Rutan & Coolidge, Boston, Massachusetts. The new library, men's gymnasium, basketball pavilion, Encina Dining Hall, Toyon and Branner halls are the work of Bakewell and Brown of San Francisco. In these newer buildings the original plan has been modified somewhat to give greater variety and interest, but the distinctive features have been preserved.

The central group of buildings, constituting two quadrangles, the one surrounding the other, is an adaptation of the mission architecture, and reproduces on an imposing scale the open arches, long colonnades, and red-tile roofing of the old Spanish missions of California. The Inner Quadrangle consists of twelve one-story buildings and the Memorial Church, connected by a continuous open arcade, and surrounding a court 586 feet long by 246 feet wide, or three and a quarter acres. The buildings are buff sandstone, somewhat varied in color, the stonework of broken ashlar, with rough rock-face, and the roofs covered with red tile.

The fourteen buildings of the Outer Quadrangle are constructed of the same material and in the same general style as the Inner Quadrangle, with open arcades on the outside. The extreme length of the Outer Quadrangle is 894 feet.

The Leland Stanford Junior Museum is situated a quarter of a mile from the quadrangles, on the west side of the avenue to Palo Alto.

* Latitude=37°, 25′, 34″, North; longitude=8 hours, 8 minutes, 40.8 seconds, West.

The Chemistry Building, located between the quadrangles and the Museum, consists of two separate structures—the main building and the Physical Chemistry Laboratory.

South of the central quadrangles are located the workshops of the Engineering departments, experimental laboratories, etc.

Encina, Toyon, and Branner Halls, situated east of the quadrangles, and *Sequoia Hall,* west of the quadrangles, are dormitories for men. Encina will normally accommodate four hundred and fifty students; Toyon and Branner each one hundred and fifty, and Sequoia one hundred. The extension of the *Stanford Union,* completed in 1922, furnishes dormitory accommodations for one hundred men, and includes a public dining room. *Roble Hall,* situated southwest of the quadrangles, near Lagunita, is the dormitory for women, and will accommodate two hundred and twenty-six students.

Encina Dining Hall, consisting of one central kitchen and eight separate dining rooms, furnishes accommodations for five hundred and fifty men.

Encina Gymnasium, for men, is a brick building with a frontage of 330 feet, situated north of Encina Hall and near the athletic grounds. There are two main divisions separated by a small court. The drill hall is 120 by 65 feet, with hard maple floor. There are rooms for special exercises, shower and locker rooms in each wing, ample offices, and space for storage and laundry. An outdoor swimming pool 100 by 40 feet, and adjacent tennis courts and athletic fields are available to all men.

The Basketball Pavilion affords ample quarters for indoor games, with a gallery seating capacity of 2,700.

The Stadium is a bowl-shaped structure built on an earth embankment and has a seating capacity of 71,500. The field includes a quarter-mile track and 220-yard straightaway.

Roble Gymnasium, for women, is a frame building, equipped with apparatus for physical education. An outdoor swimming pool, 75 by 40 feet, is located near the gymnasium. In connection with the pool there are eighteen shower rooms, seventy-two dressing rooms, a laundry and sterilizing plant to care for the swimming suits, and a room for their drying.

The Thomas Welton Stanford Art Gallery, the first building of the second quadrangle group, containing four galleries designed for the exhibition of paintings and other works of art, was a gift of Thomas Welton Stanford, brother of Senator Stanford, one of the founders of the University.

The Library Building is the central unit in the second quadrangle group. The ground floor provides a reading-room for books set apart for collateral reading, a department of public documents, and administrative workrooms. On the main floor are the delivery hall, the reference and reading-rooms, a browsing-room, a periodical room, the card catalogue, and the administrative rooms; on the mezzanine and top floors, a large study-room, and smaller rooms of varying sizes for seminary and special research work. Including the departments of Law and Medicine, the Library contains upward of 410,000 volumes.

The grounds immediately about the University, constituting the campus proper, have been reserved in part for experimental and ornamental purposes, in part as residence sites for members of the faculty.

The main buildings of the *School of Medicine* in San Francisco occupy four fifty-vara lots bounded by Clay, Sacramento, and Webster streets. They consist of the Clinical and Laboratory Building, including Lane Hall, and Lane Hospital—a modern building in brick and stone, with a capacity of one hundred and eighty beds—and the Stanford University Hospital, a concrete structure with a capacity of one hundred and thirty beds. The Lane Medical Library is situated on the corner of Sacramento and Webster streets, opposite the Clinical and Laboratory Building, and the Stanford School of Nursing on Clay Street, opposite the hospitals. The Library is a fireproof structure of Colusa sandstone, three and a half stories high, with steel stacks accommodating 60,000 volumes.

The Hopkins Marine Station is located on Cabrillo Point, Pacific Grove. A concrete building 40 by 80 feet, three stories in height, provides the necessary laboratories, aquarium, storerooms, library, photographic darkrooms, etc.

The Harris J. Ryan High-Voltage Laboratory is situated on Mayfield Avenue, about two miles southeast of the Quadrangle. The main laboratory is 173 feet long by 60 feet wide, with a clearance of 50 feet from the floor to the lowest roof truss. The entire south side of the building can be opened by means of huge doors 42 feet by 46 feet, in order to permit clearance of 21 feet in all directions for the high-voltage transmission lines which pass out of the building on this side and extend for a distance of approximately one and a half miles in a southerly direction. The laboratory is equipped with the largest transformer set ever constructed, with a capacity of 2,100,000 volts.

CLUBHOUSES

The Stanford Union, a clubhouse for men, was projected by Herbert C. Hoover of the class of 1895, and built by contributions from students, alumni, faculty, trustees, and friends of the University. The legal title to the property and leaseholds of the Union is vested in a Union Board made up of three faculty members, three alumni, and three undergraduates, together with the Comptroller, the Dean of Men, and the President of the Associated Students. The management and control of the clubhouse is vested in an Executive Committee composed of members of the Union Board, as follows: One faculty member, one alumni, the Comptroller of the University, the Dean of Men, the President of the Associated Students, ex officio, and two undergraduate student members. An additional building, consisting of dining halls and dormitory accommodations for one hundred men, was completed in 1922.

The Women's Clubhouse provides a social center for the women of the University, with meeting rooms for various University organizations.

The two Union buildings and the Women's Clubhouse are connected by means of cloistered arcades surrounding a court half an acre in extent, with a fountain as the central feature, and diversified by trees, grass, and a variety of flowering shrubs and plants. The fountain was the gift of the Class of 1922.

ADMISSION TO THE UNIVERSITY

GENERAL REQUIREMENTS

Admission to the University may be granted with Graduate, Upper, or Lower Division standing. The number admitted is limited by the facilities that are available. Applicants to be accepted as candidates for admission must present satisfactory recommendations as to personal character, must offer the approved credentials required for the division concerned, and, for the Upper and Lower Divisions, must pass the college aptitude test. The method of selecting candidates is explained below. Application and other necessary blanks will be furnished by the Registrar on request, and the use of these official blanks is required. In applying for such blanks address: The Registrar, Stanford University, California.

ADMISSION OF MEN

Limitations

Graduate Division.—At present the total number of men admitted to the Graduate Division is not limited except for special restrictions in force in the School of Medicine, in the Graduate School of Business, and at the Hopkins Marine Station. In these groups applicants must first satisfy the general admission regulations, and then meet special requirements which are ordinarily on a competitive basis.

Upper Division.—The total number of men admitted to the Upper Division is not fixed but is limited to the facilities that can be provided. The exact number which can be accommodated will vary from year to year, as a result of changes within the University, and cannot be stated definitely in advance. It should be noted that the number of students who may enroll in Medicine is limited, and that fulfillment of pre-medical requirements does not guarantee admission to the School of Medicine. Admission to the Upper Division does not assure enrollment at the Hopkins Marine Station.

Lower Division—The total number of men admitted to the Lower Division is limited to 450 for the autumn quarter and 50 for the winter quarter. (No new students are admitted to the Lower Division for the spring quarter.) At present an unlimited number may be admitted for the summer quarter *only* with the understanding that not more than 50 of such matriculants will be promised enrollment for succeeding quarters. The selection of these 50 students may be deferred until the end of the summer quarter, in order that scholarship records made during the quarter may be considered. Summer matriculants not thus selected may make application for succeeding quarters and will be considered on the same basis as other candidates.

In addition to the foregoing, 50 foreign or special students may be admitted during each academic year.

Basis of Selection

In the Graduate Division, in groups where admission is limited, selection of applicants is made only on the basis of superior preparation and fitness for the work to be undertaken.

In the Upper and Lower Divisions, selection is made on the basis of superior fitness, taking into account scholarship, personal qualifications, and score on the college aptitude test.

In the Lower Division, preference is given to approved candidates who pass the examinations of the College Entrance Examination Board (old plan or new plan) with an average grade of 75 or above.

Candidates who were refused admission to the Lower Division before October, 1926, on the ground of lack of facilities, will be given priority over new applicants for admission to the Upper Division, provided their credentials are satisfactory.

The sons of graduates of the University, and of members of the faculty will be given priority in admission to the Upper and Lower Divisions until January, 1934.

Foreign and Special Students

Candidates from foreign countries who present credentials equivalent to the requirements for admission to the University, and whose command of written and spoken English shall be deemed adequate for purposes of college study, may be admitted.

Men of considerable maturity, twenty-one years or older, who do not fulfill the scholarship requirements for first-year undergraduate standing, but whose incomplete preparation has been supplemented by practical training and experience of distinct educative value, may also be considered for admission as special students not candidates for a degree.

ADMISSION OF WOMEN

Limitations

The total number of women attending the University at any one time is limited to five hundred by the terms of the Founding Grant of the University. In addition, there are special restrictions in force in the School of Medicine, in the Graduate School of Business, and at the Hopkins Marine Station.

Basis of Selection

In the Graduate Division, the selection of candidates is made on the basis of high scholastic attainment, personal qualifications, and special fitness for the work to be undertaken.

In the Upper and Lower Divisions selection is made on the basis of superior fitness, taking into account scholarship, personal qualifications, and score on the college aptitude test.

In the Lower Division, preference is given to approved candidates who pass the examinations of the College Entrance Examination Board (old plan or new plan) with an average grade of 75 or above.

The daughters of graduates of the University and of members of the faculty will be given priority in admission to the Upper and Lower Divisions until January, 1934, provided their qualifications place them among the first one hundred and fifty candidates, chosen on the basis of superior fitness, in any list where one hundred are to be selected (proportional numbers for larger or smaller lists).

A certain number of places are assigned each quarter to Upper and Lower Division candidates who made application under the regulations in force prior to February 21, 1921. Candidates admitted on this priority list for a particular quarter, who do not matriculate for that quarter, automatically lose their standing on the list, and will thereafter be considered only on the basis of superior fitness in competition with the other applicants.

Assignment of Places

Under the 500-limit, the number of places open to new women students in October is approximately 140. Of these, 35 are provisionally assigned to approved candidates for graduate standing; 105 to approved candidates for undergraduate standing. Approximately 35 places will be assigned to new undergraduate women registered on the priority list, until such applications are exhausted. Proportional assignments will be made for the winter, spring, and summer quarters.

Application and Registration

Applications for admission (on blanks to be furnished by the Registrar) and credentials must be filed before the beginning of the quarter, as follows: May 1 for the autumn quarter, December 1 for the winter quarter, March 1 for the spring quarter, and June 1 for the summer quarter. If the numerical limit for the summer quarter is not reached on June 1, applications will be received after that date and until the list is complete.

Women who have matriculated in the University at the beginning of any autumn, winter, or spring quarter will be allowed to continue without further application, so long as scholarship and conduct are satisfactory, provided they present themselves for registration at the beginning of each quarter on the regularly appointed day. Special restrictions, stated below, apply to registration for the summer quarter, and to summer matriculants desiring to re-register for succeeding quarters. Places will not be held for women students after the regular registration day, except by permission of the Committee on Registration granted in advance.

Summer Quarter Regulations

The regular lists for the summer quarter will be made up immediately after June 1. Matriculation for the summer quarter, however, does not insure registration for any succeeding quarter. Summer matriculants will be considered in the same category as other applicants, and will receive only the advantage which inheres in application before February 21, 1921, or in superior credentials. There is now no advantage in applying earlier than is necessary to fulfill preliminaries and furnish credentials before the date fixed for selection of candidates.

COLLEGE APTITUDE TEST

A college aptitude test is required of all candidates for admission to the Upper and Lower Divisions.

When credentials are otherwise satisfactory, candidates who have failed to take the college aptitude test given by the University, or a similar acceptable examination, because of remoteness from examination centers or for other reasons satisfactory to the Committee on Admission and Advanced Standing, may be provisionally selected for admission. Such candidates may be denied admission, at the discretion of the Committee, if a score below 50 is obtained in the college aptitude test to be taken at Stanford University just before the beginning of the quarter for which admission is desired.

In February and March, the test is given in numerous centers in California, and outside the state wherever satisfactory arrangements for conducting the test can be made. The test is also given at the University during the week preceding the October, January, April, and June matriculation dates.

Following is the schedule of examinations given during the year 1927. Unless otherwise indicated the examination is held in the high-school building. A fee of *five dollars* is charged, due at the time of the examination, to cover cost of examination, scoring, and organization of results for use in the educational guidance of students.

CALIFORNIA

Bakersfield	Friday	February 25,	8:30 A.M.
Chico	Tuesday	March 8,	8:30 A.M.
El Centro	Monday	February 21,	8:30 A.M.
Eureka	Monday	February 14,	9:00 A.M.
Fresno (Fresno State and Junior College)	Tuesday	February 22,	8:30 A.M.
Hollywood	Friday	February 25,	1:15 P.M.
Long Beach (Room 426, Polytechnic High School)	Monday	February 28,	8:30 A.M.
Los Angeles (Polytechnic High School)	Saturday	February 26,	8:30 A.M.
Marysville	Wednesday	March 9,	8:30 A.M.
Modesto (Modesto Junior College)	Monday	February 21,	8:30 A.M.
Monterey	Thursday	March 3,	8:30 A.M.
Napa	Thursday	February 17,	8:30 A.M.
Oakland (Room 23, Oakland High School)	Saturday	March 5,	9:00 A.M.
Ojai (Thacher School)	Tuesday	February 15,	2:30 P.M.
Ontario (Chaffey Union High School and Junior College)	Wednesday	February 23,	8:30 A.M.
Pasadena (Room 200, Horace Mann Bldg., Pasadena High School)	Tuesday	March 1,	8:30 A.M.
Pomona	Thursday	February 24,	8:30 A.M.
Red Bluff	Monday	March 7,	8:30 A.M.
Riverside (Riverside Junior College)	Tuesday	February 22,	8:30 A.M.
Sacramento (Sacramento Junior College)	Saturday	February 19,	8:30 A.M.
Salinas	Wednesday	March 2,	1:15 P.M.
San Diego	Saturday	February 19,	8:30 A.M.
San Francisco (Room 319, Lowell High School)	Saturday	February 12,	8:30 A.M.

CALIFORNIA—*Continued*

San Jose	Saturday	March 5,	8:30 A.M.
San Luis Obispo	Saturday	February 12,	1:15 P.M.
Santa Ana	Friday	February 18,	8:30 A.M.
Santa Barbara	Monday	February 14,	8:30 A.M.
Santa Cruz	Friday	March 4,	1:15 P.M.
Santa Monica	Thursday	February 17,	8:30 A.M.
Santa Rosa	Wednesday	February 16,	8:30 A.M.
Stanford University (Assembly Hall)	Saturday	March 12,	8:30 A.M.
	Saturday	March 26,	8:30 A.M.
	Saturday	June 18,	8:30 A.M.
Stockton	Friday	February 18,	1:15 P.M.
Taft (Taft Junior College)	Thursday	February 24,	8:30 A.M.
Ukiah (New Grammar School Bldg.)	Tuesday	February 15,	8:30 A.M.
Ventura	Wednesday	February 16,	8:30 A.M.
Visalia	Wednesday	February 23,	8:30 A.M.

OREGON

Eugene (Condon Hall, University of Oregon)	Saturday	February 19,	8:30 A.M.
Portland (Lincoln High School)	Saturday	February 26,	8:30 A.M.

UTAH

Salt Lake City (Westminster College)	Saturday	February 26,	8:30 A.M.

WASHINGTON

Seattle (Garfield High School)	Saturday	February 19,	8:30 A.M.
Spokane (Lewis and Clark High School)	Saturday	March 5,	8:30 A.M.
Walla Walla (Whitman College)	Saturday	February 26,	8:30 A.M.

If there are a sufficient number of candidates near other centers, tests will be planned by special arrangement.

ADMISSION TO THE GRADUATE DIVISION

The requirements for graduate standing are fulfilled by graduates of colleges and universities of recognized standing whose credentials evidence ability and promise, and who expect to become candidates for advanced degrees, or for teaching or administrative recommendations, or who purpose to pursue regular advanced, professional, or research courses.

Admission to the University with graduate standing does not necessarily imply immediate admission to candidacy for an advanced degree. For details concerning the requirements for advanced degrees consult pages 142–45.

Special restrictions are in force in the School of Medicine, in the Graduate School of Business, and at the Hopkins Marine Station. In these groups applicants must first satisfy the general admission regulations, and then meet special requirements which are ordinarily on a competitive basis.

Application for admission must be made on the blank furnished by the University, and the candidate must designate on this blank the School in which he desires to choose his major subject. All credentials must be filed with the Committee on Admission and Advanced Standing at the Registrar's Office on or before the following dates:

Women candidates—May 1 for the autumn quarter, December 1 for the winter quarter, March 1 for the spring quarter, and June 1 for the summer quarter. Selection will be made after these dates, but actual matriculation in the University will be permitted only when all requirements have been fulfilled prior to the first day of the quarter for which the selection has been made.

Men candidates should file application and credentials early enough to receive assurance of admission before Registration Day, thus avoiding needless expense and disappointment.

(The special application dates for students desiring to register in Medicine will be found in the *Announcement of the School of Medicine.*)

The credentials required are: (1) Personal application for admission with graduate standing, including application fee of five dollars; (2) official transcript of all college work completed including certificate of degrees received; (3) statements of personal qualifications on blanks furnished by the University.

ADMISSION TO THE UPPER DIVISION

Candidates for admission to the Upper Division must have satisfactorily completed at least 87 quarter units (two years) of collegiate work at an institution of recognized standing. Graduates of California Junior Colleges, or other approved junior colleges, may be considered eligible for this group. (Satisfactory completion of work means that the average grade of the entire record, and of the last quarter [or semester], is at least equivalent to an average grade of C on a grading scale in which A, B, C, and D are passing grades.)

Application for admission must be made on the blank furnished by the University, and the candidate must designate on this blank the School in which he desires to choose his major subject. All credentials must be filed with the Committee on Admission and Advanced Standing at the Registrar's Office on or before the following dates:

Women candidates.—May 1 for the autumn quarter, December 1 for the winter quarter, March 1 for the spring quarter, and June 1 for the summer quarter (see also page 99).

Men candidates.—September 10 for the autumn quarter, December 10 for the winter quarter, March 10 for the spring quarter, and June 10 for the summer quarter. After June 10 applications for the summer quarter may still be received, and may be granted if facilities are available.

Selection will be made after these dates, but actual matriculation in the University will be permitted only when all requirements have been fulfilled prior to the first day of the quarter for which the selection has been made.

(The special application dates for students desiring to register in Medicine will be found in the *Announcement of the School of Medicine.*)

The credentials required are: (1) Personal application for admission with Upper Division standing, including application fee of five dollars; (2) official transcript of all college work completed, including statement of honorable dismissal from the institution last attended; (3) statements of personal qualifications, on blanks furnished by the University; (4) record of any college aptitude or similar test other than that given by Stanford University.

ADMISSION TO THE LOWER DIVISION

With Advanced Standing

Applications for admission to the Lower Division with advanced standing will be received from candidates who, in addition to the completion of the requirements for first-year undergraduate standing, have satisfactorily completed collegiate work at an institution of recognized standing, the amount being less than that required for the Upper Division. (Satisfactory completion of work means that the average grade of the entire record, and of the last quarter [or semester], is at least equivalent to an average grade of C on a grading scale in which A, B, C, and D are passing grades.)

Application for admission must be made on the blank furnished by the University, and all credentials must be filed with the Committee on Admission and Advanced Standing at the Registrar's Office on or before the following dates: May 1 for the autumn quarter, December 1 for the winter quarter, and June 1 for the summer quarter.* (No new students are admitted to the Lower Division for the spring quarter.)

The credentials required are: (1) Personal application for admission to the Lower Division with advanced standing, including application fee of five dollars; (2) complete high-school record (except for men candidates who have completed a full year or more of collegiate work with satisfactory grades); (3) statements of personal qualifications; (4) official transcript of all college work completed, including a statement of honorable dismissal from institution last attended (regular transcript form of the institution to be used); (5) record of any college aptitude or similar test other than that given by Stanford University.

With First-Year Undergraduate Standing

Candidates for admission to the Lower Division with first-year undergraduate standing may fulfill the scholarship requirements either (I) by completion of a regular four-year high-school course, or its equivalent; (II) by passing the examinations of the College Entrance Examination Board; or (III) by an equivalent combination of the two.

The only prescribed subject is English (minimum, 2 units); but applicants will find it to their advantage to anticipate, in the high school, certain Lower Division requirements of the University and to offer the following as part of the 15 units required:

Four units in English;
Three units in one foreign language (or *two units* in each of two foreign languages);
One unit in either Biology, Botany, Physiology, Zoölogy, or General Science;
One unit in either Physics or Chemistry;
One unit in American History (or in American History and Civics).

In anticipation of an engineering course, *one unit* in plane geometry, *two units* in algebra, *one-half unit* in trigonometry, *one unit* in mechanical drawing, and the foreign language and biological science requirements listed above.

* After June 1 applications for the summer quarter may still be received, and may be granted if the numerical limitations have not been reached.

The maximum entrance credit which will be accepted in typewriting is *one unit;* in physical education or military training (or both combined), *one unit;* in music, *three units* (only one of which may be in vocal or instrumental technique or both). No unit values are attached to penmanship and spelling.

SCHOLARSHIP REQUIREMENTS

I. Without examination.—The scholarship requirements for first-year undergraduate standing are fulfilled *without examination* (1) by duly recommended graduates of approved four-year preparatory schools who present 15 units of recommending (certificate) grade (including at least 2 units in English); (2) by duly recommended graduates of approved three-year senior high schools who present 12 units of recommending grade completed in the senior high school, and 3 units of recommending grade completed in the last year of a junior high school. At least 2 units of English must be included. A total amount of 3 units may be granted for the work covered in the last year of a junior high school upon the condition that three regular subjects are carried for the entire school year with an average grade of B or 2; (3) by duly recommended graduates of approved preparatory schools presenting credentials covering the completion of 15 units of which at least 12 are of recommending grade (*a*) provided that the average of the total high-school record and the average of the work of the last two years is not less than B, on the basis that A, B, and C are the passing grades, or (*b*) provided the score obtained in the college aptitude test does not fall below the Stanford median.

Where the school does not distinguish between a passing and a recommending (certificate) standard, a subject to be accepted as of recommending grade must be at least 5 per cent higher than the lowest passing grade. The first part of a continued subject, even if below the recommending standard, may be credited provided the last part is of recommending grade and the average of the two parts is of recommending grade. Subjects below the recommending grade at the time of graduation may be brought to the recommending standard and accepted as such, provided the subject is repeated or reviewed in a regular school session or tested by examination through the College Entrance Examination Board.

II. On examination.—The scholarship requirements for first-year undergraduate standing are fulfilled *on examination* by duly recommended candidates whether or not graduates of approved preparatory schools, who pass the examinations of the College Entrance Examination Board (1) in subjects (including English) aggregating 15 units or (2) the comprehensive examinations in four subjects, under the so-called new plan. This latter plan requires also the submission of a high-school record covering 15 entrance units.

III. Examinations and recommended units combined.—Partial fulfillment of scholarship requirements without examination may be supplemented by examination, through the College Entrance Examination Board, in the subjects necessary to make up the required 15 units.

APPLICATION AND CREDENTIALS

Application for admission must be made on the blank furnished by the University, and all credentials must be filed with the Committee on Admis-

sion and Advanced Standing at the Registrar's Office on or before the following dates: May 1 for the autumn quarter, December 1 for the winter quarter, and June 1 for the summer quarter.* (No new students are admitted to the Lower Division for the spring quarter.)

The credentials required are: (1) Personal application for admission to the Lower Division with first-year undergraduate standing, including application fee of five dollars; (2) complete high-school record; (3) statements of personal qualifications; (4) record of any college aptitude or similar test other than that given by Stanford University; (5) official report of any examinations taken through the College Entrance Examination Board.

At the time of selection of candidates for the autumn quarter, made during May, work in progress will be considered in fulfillment of requirements, and admission will be granted subject to the satisfactory completion of all such work prior to the time of matriculation.

ENTRANCE UNITS

An entrance unit represents a year's study in any subject in a secondary school, constituting approximately one quarter of a full year's work. In assigning credit values two laboratory, drawing, or practice periods, not requiring additional study or preparation, are regarded as the equivalent of one recitation period. The length of the school year is assumed to be from thirty-six to forty weeks.

APPROVED PREPARATORY SCHOOLS

Approved Preparatory Schools are schools maintaining full four-years' courses of high-school work and accredited (1) by the New England College Entrance Certificate Board, by The North Central Association of Colleges and Secondary Schools, by the Association of Colleges and Secondary Schools of the Southern States, by colleges and universities of recognized standing, or (2) upon inspection undertaken or authorized by the University.

The University records of first-year students will be considered as additional evidence of the standing of preparatory schools and of their good faith and success in meeting the requirements of the University, and such evidence will be made use of in determining as to the continuance of accrediting relations.

ENTRANCE EXAMINATIONS

In June, beginning the third Monday of the month, entrance examinations conducted by the College Entrance Examination Board are held simultaneously in all parts of the United States (in California, at Stanford, Berkeley, Los Angeles, and other places), and in various foreign countries. In September, beginning the third Monday of the month, comprehensive examinations only are held at the University (see page 107). (The September question papers are prepared by the College Entrance Examination

* After June 1 applications for the summer quarter may still be received, and may be granted if the numerical limitations have not been reached.

Board, but the answer books are read and graded by the University.) These examinations may be taken either under the four-subject plan (new plan), or toward the completion of the fifteen units ordinarily required of those entering on examination (old plan), or to supplement deficient credentials from approved schools.

The examination fee in September is $5, and must be paid in advance. Applications, with satisfactory credentials, must be presented not later than the second Monday of the month.

The application for examination in June should be addressed to the College Entrance Examination Board, 431 West 117th Street, New York, N.Y. It should be made upon a blank form to be obtained from the Secretary of the Board upon request.

If the application is received sufficiently early the examination fee will be $10 for each candidate, whether examined in the United States, Canada, or elsewhere. The fee, which should accompany the application, should be remitted by postal order, express order, or draft on New York to the order of the College Entrance Examination Board.

Applications and fees of candidates who wish to be examined outside of the United States and Canada should reach the Secretary of the Board at least six weeks in advance of the first day of the examinations (that is, for 1927, on or before May 9, 1927).

Applications and fees of candidates who wish to be examined in the United States at points west of the Mississippi River, or in Canada, should be received at least four weeks in advance of the first day of the examinations (that is, for 1927, on or before May 23, 1927).

Applications and fees of candidates who wish to be examined in the United States at points east of, or on, the Mississippi River, should be received at least three weeks in advance of the first day of the examinations (that is, for 1927, on or before Monday, May 30, 1927).

When the candidate has failed to obtain the required blank form of application for examination, the usual examination fee will be accepted if the fee arrive not later than the specified date accompanied by a memorandum containing the name and address of the candidate, the exact examination center selected, and a list of all the subjects in which he expects to take the Board examinations.

Applications for examinations *other than the Scholastic Aptitude Test (Psychological Examination)* will be accepted later than the dates named if in the opinion of the Secretary it is still possible to arrange for the examinations requested, but only upon the payment of an additional fee of five dollars by each candidate concerned.

Under no circumstances will the Board accept belated applications for the Scholastic Aptitude Test.

Examinations will be held in accordance with the Time (Daylight Saving or Standard) observed in the local public schools. As no one will be admitted late to the Scholastic Aptitude Test it is essential that candidates know in advance whether the examinations for which they have applied are to be held according to Daylight Saving or Standard Time.

A list of the places at which examinations are to be held by the Board is published about March 1 of each year. Requests that the examinations be held at particular points should be transmitted to the Secretary of the

Board not later than February 1. The designation of the center to which the candidate will go for the examination is regarded as an indispensable part of the candidate's application for examination.

In these examinations the University has designated 60 as the lowest passing grade.

The examination questions set by the Board are published in yearly volumes by Ginn & Co., Boston.

Detailed definitions of the requirements in all examination subjects are given in a circular published annually by the Board. The edition published December 1, 1926, is designated as Document No. 120. Upon request a single copy will be sent to any teacher without charge. In general a charge of twenty cents, which may be remitted in postage, is made. (Address Secretary, College Entrance Examination Board, 431 West 117th Street, New York, N.Y.)

The Comprehensive Examinations

Applicants who present evidence of satisfactory preparatory work covering not less than fifteen entrance units may fulfill scholarship requirements by passing the comprehensive (new plan) examination in four subjects, determined as follows:

1. English (three units);
2. A foreign language, selected by the candidate (two, three, or four units);
3. Either Mathematics,* or Chemistry, or Physics, selected by the candidate (one, three, or more units);
4. A fourth subject, selected by the candidate, from the subjects in which examinations are held.

These four examinations must be taken at one time. At least two examinations must cover more than two entrance units each. In each subject selected the examination must cover all the units counted by the candidate toward the required fifteen units of preparatory work.

Comprehensive examinations are offered in the following subjects only: Biology (one unit); Botany (one unit); Chemistry (one unit); English (three units); French (two, three, or four units); German (two, three, or four units); Greek (two or three units); History (Ancient, European, English, American History with or without Civil Government—one or two divisions, one unit in each); Italian (two, three, or four units); Latin (two, three, or four units); Mathematics (three or more units); Physics (one unit); Spanish (two, three, or four units); Zoölogy (one unit). If taken as an "old plan" examination, Mathematics may cover any one or more of the following divisions: elementary algebra, plane geometry, solid geometry, trigonometry, advanced algebra.

The examination schedule for September 1927 is as follows:

Monday, September 19—English, 9 A.M.; French, 2 P.M.

Tuesday, September 20—Latin, 9 A.M.; History, 2 P.M.

Wednesday, September 21—Elementary Mathematics, 9 A.M.; German, Italian, Spanish, 2 P.M.

* For the comprehensive examination in Mathematics there may be substituted either one of the regular examinations in Algebra or Plane Geometry.

Thursday, September 22—Chemistry, Physics, 9 A.M.; Greek, Advanced Mathematics, 2 P.M.

Friday, September 23—Scholastic Aptitude Test, 9 A.M.; Biology, Botany, Zoölogy, 2 P.M.

ENTRANCE SUBJECTS

The standard of preparation is the four years' high-school course. The proper co-ordination of high-school subjects for the individual pupil is regarded as primarily a problem for the secondary school; the University is prepared to recognize for entrance credit any subject having an established place in the secondary school curriculum, in which adequate instruction is given and which is pursued to satisfactory results.

All Lower Division students (except students coming from other institutions with satisfactory credit in a college composition course) will be required to satisfy the University standard in English Composition. This may be done by passing a special matriculation test given during matriculation week. The examination will test the candidate's practical knowledge of spelling, punctuation, and sentence structure, and his ability to think consecutively on a simple subject. The subjects which are set at the time of the examination will be drawn for the most part from the candidate's own experiences.

A student who does not pass will be required to register in English A at the earliest available opportunity, and remain in the course until his work is of passing grade.

DEFINITION OF HIGH-SCHOOL SUBJECTS

The definition of high-school subjects given by the College Entrance Examination Board (Document No. 120, issued by the Board) will serve as a standard. The following suggestions and explanations indicate the attitude of the University in judging entrance credentials, but no attempt is made to enumerate all the subjects which may be properly included in the high-school curriculum.

1. English.—The primary aim of instruction in English Composition in the secondary schools is clearness. Based upon grammatical correctness, which is the peculiar goal of elementary English Composition, this is the quality by which the Stanford matriculation test is rated. To attain these aims there should be a definite co-operation of the entire staff of the school.

The work in English Composition should be given at least two recitations a week throughout the entire high-school course. The greater part of the student's time outside of class should be devoted to practice in writing, but it is recommended that some attention be also paid to instruction in the fundamental principles of formal rhetoric.

The work in English Literature should be given an average of at least three recitations a week throughout the four years of the preparatory course. It should be so conducted as to give the student not only an appreciative understanding of the books selected either for general or for more intensive study, but also a knowledge of their place in the history of English Literature, together with an ability to read aloud intelligently both prose and verse.

In the History of English Literature preparation should consist in a brief outline with a view to making clear the character and the tendencies of the more important literary epochs and associating the chief books and authors in their proper periods.

2. Mathematics.—The work in Mathematics is usually distributed as indicated by the following unit values: Algebra (1 to 2), plane geometry (1), solid geometry (½), trigonometry (½). Additional work may be offered in algebra and plane analytical geometry. The solution of numerous original problems and exercises is assumed throughout the course.

3. The Sciences.—In Physics, Chemistry, Physiology, Botany, Zoölogy, Hygiene, and General Science a full year's work in each is expected, comprising, preferably, two recitation periods and three double laboratory periods per week. Accurate notes of the laboratory work should be kept. Any two of the biological sciences (Physiology, Botany, Zoölogy) may be combined into a continuous year's course. Astronomy may be offered as a half-unit course.

Students who receive entrance credit in Chemistry, and who wish to continue the subject in the University, will be admitted at once to laboratory course 4 and will be required to begin lecture course 1.

In Physiology the textbook work should be accompanied by experiment, dissection of animals and organs, and a certain amount of study of the tissues with the microscope.

In Botany the main thing is that the work shall be of a practical nature: the study mainly specimens and not books. A study of the growth and development of the forms selected is of the highest importance, and should be made a prominent feature in the work. If possible, the pupil should be allowed the use of a compound microscope, but when this is not practicable, microscopic demonstrations by the instructor are indispensable.

In Hygiene the work should include adequate instruction in personal hygiene, the hygiene of occupation, and the relation of the citizen to the state in matters of sanitation and public health. Three periods per week of physical training and three periods in experimental laboratory work in Hygiene, and two recitations per week on Public Health, or an equivalent amount of work distributed over a longer period, will cover the requirements for one unit of credit.

4. History and Allied Subjects.—History should be offered in full unit courses covering respectively the following divisions: (*a*) Ancient, (*b*) European (either Medieval and Modern or Modern European), (*c*) English, (*d*) American. Civics may be offered as a part of American History, or as an additional half-unit course. Biblical History and Literature and Economics may each be offered as a half-unit or a unit course.

In the History subjects, in addition to the textbook preparation, the following exercises are recommended: Supplementary reading, including the use of original material where possible, notes and digests of reading; abstracts or analyses of specified chapters, both of the textbook and supplementary reading; outlines of subjects, gathering material from all available sources; map-drawing from printed data or comparison of existing maps, showing movements of exploration, migration or conquest, territorial changes, or social phenomena. Such work should be regarded as a means rather than the end of historical study and in every instance should be

adapted in character and amount to the stage of advancement of the class and of the individual pupil. As the pupil progresses in his study, more advanced work may well be required in the form of historical composition and of note-taking in the class from talks by the teacher or reports of fellow-pupils.

5-6. Spanish and French.—The elementary study of the languages, covering two years of daily recitations, should lay stress on the following points: (1) An accurate knowledge of the forms of the languages; (2) the elements of syntax; (3) the ability to turn easy English prose into French or Spanish; (4) the ability to translate ordinary French or Spanish into idiomatic English; (5) the ability to pronounce French or Spanish correctly.

(Students who have had one year of French in the high school and present one unit of credit for entrance into the University may take Course A2. Those who have had one year of Spanish in the high school and present one unit of credit for entrance may take Course B2. Those who have had two years of French or Spanish in the high school, and present two units of credit for entrance, may take second-year work in the University.)

The intermediate requirements are intended to represent a third year of daily recitations. The specific demands are: (1) A thorough knowledge of modern French or Spanish syntax; (2) the ability to turn ordinary modern French or Spanish at sight into idiomatic English; (3) the ability to translate connected English prose of modern difficulty into French or Spanish; (4) the ability to write French or Spanish from dictation; (5) some facility in speaking the languages.

(Students who have had three years of French in the high school, and present three units of credit for entrance into the University, will ordinarily take Course A22. Courses A24 and A30 are also open to them. Students who have had three years of Spanish in the high school, and present three units of credit for entrance into the University, will ordinarily take Course B22. Course B30 is also open to them.)

The advanced requirements will occupy a fourth year of daily recitations. At the end of this course the student should be able: (1) To read at sight any standard author not earlier than the seventeenth century; (2) to write in French or Spanish a short essay on some simple subject connected with the works read; (3) to translate correctly a passage of modern English prose; (4) to carry on a simple conversation in French or Spanish; (5) to follow a lecture in French or Spanish.

The reading in the elementary course should cover from four hundred to six hundred duodecimo pages; in the intermediate course a similar amount should be read of prose and verse, a portion to be in the dramatic form; and in the advanced course the same quantity of prose and verse should be selected from standard authors not earlier than the seventeenth century, and these should be read with reference to their literary value.

The practice of writing compositions consisting in reproductions or paraphrases of the matter read should be begun in the intermediate course and followed by short themes along similar lines in the advanced course.

7. German.—Elementary German represents the work of two high-school years with daily recitations. It should give the following prepara-

tion: The ability to read understandingly at sight easy German prose and verse; an accurate knowledge of the most important elements of grammar, embracing especially inflections, word-order, and the essentials of syntax, as also the ability to appreciate the force of prefixes and suffixes; the ability to express in correct German simple ideas concerning familiar things and to recognize German words and simple sentences when spoken. Careful attention should be given to pronunciation and accentuation.

The amount of work to be accomplished in the first year is approximately what is contained in a beginner's book such as Zinnecker's *Deutsch für Anfänger,* with some additional reading. The reading of the second year should be for the most part graded modern German from 200 to 300 pages. German should be the language of the classroom, instruction in conversation, composition, and grammar being based largely on the reading text.

Intermediate German represents a third year of daily recitations, designed to extend and strengthen the pupil's personal command of the language, and his knowledge of word formation and syntax. Here again the reading matter should be, in large measure, the center of the instruction, and some attention should be paid to literary appreciation.

Advanced German represents a fourth year of daily recitations. Besides rounding out the pupil's knowledge of grammar, and increasing his facility in speaking and writing, this course should make considerable addition to his passive vocabulary and develop his literary appreciation. It would be advisable to choose most of the reading from the works of recent or contemporary writers, but some work or works of Lessing, Goethe, and Schiller should be studied intensively, while others might be assigned for outside reading and report.

8. Latin.—The reading required in elementary and advanced Latin (4 units), without regard to the prescription of particular authors and works, is not less *in amount* than Caesar, *Gallic War,* I-IV; Cicero, the orations against Catiline, for the Manilian Law, and for Archias; Virgil, *Aeneid,* I-IV. An equivalent amount of reading from authors other than those specified above may be substituted. The following are suggested: Caesar, *Civil War;* Eutropius; Nepos; Terence; Phormio; Cicero, *Letters;* Sallust; Virgil, *Bucolics* and *Georgics;* Ovid, *Metamorphoses.*

Exercises in translation at sight should begin in school with the first lessons in which Latin sentences of any length occur, and should continue throughout the course with sufficient frequency to insure correct methods of work on the part of the student. From the outset particular attention should be given to developing the ability to take in the meaning of each word—and so, gradually, of the whole sentence—as it stands; the sentence should be read and understood in the order of the original, with full appreciation of the force of each word as it comes, so far as this can be known or inferred from that which has preceded and from the form and position of the word itself. The habit of reading in this way should be encouraged and cultivated as the best preparation for all the translating that the student has to do. No translation, however, should be a mechanical metaphrase. Nor should it be a mere loose paraphrase. The full meaning of the passage to be translated, gathered in the way described above, should finally be expressed in clear and natural English.

The school work in Latin should include much reading aloud, writing from dictation, and translation from the teachers' reading. Learning suitable passages by heart is also very useful, and should be practiced.

The work in composition should give the student a better understanding of the Latin he is reading at the time, if it is prose, and greater facility in reading. It is desirable, however, that there should be systematic and regular work in composition during the time in which poetry is read as well; for this work the prose authors already studied should be used as models.

9. Greek.—In Elementary Greek (2 units) the following requirements should be covered: Grammar, the inflections, and the essential points of syntax; Xenophon's *Anabasis,* Books I-IV, or an equivalent; prose composition. It is expected of every pupil that he be able to read Greek aloud without stumbling.

In Advanced Greek (1 unit): Homer, *Iliad,* Books I–III, or an equivalent; advanced prose composition. The pupil should have a good acquaintance with the forms and syntax of Homer, and be able to scan any given passage exactly and to read it rhythmically. In the writing of Greek the pupil should have a year's training beyond that required in Elementary Greek.

10. Drawing and Applied Art.—In each of the drawing subjects (Freehand, Mechanical, and Architectural) a unit of credit represents daily double periods for a year or single periods for two years.

In Freehand Drawing approximately two-thirds of the time should be given to representation and one-third to decorative and constructive design. *Representation* should include: Object drawing, boxes, books, bowls, vegetables, machine parts, drawn in various positions with attention to perspective facts in line and also to light and shade; plant forms, seed pods, shells, insects, animals, and simple landscape, drawn in line, in light and shade, and in color; composition, exercises in arrangement and adaptation of pictorial subjects into good composition, using both rhythmic line arrangement and harmonious color. The style of drawing should be direct, facile, and effective, adapted to the thing drawn, with refinement in its proper place and vigor in its proper place. The pupil should be equally familiar with the use of pencil and charcoal or brush. *Design* should include (1) exercises in space filling, borders and all-over patterns with use of geometric and organic forms; (2) principles of constructive and decorative design applied to simple objects, such as, in printing, a title-page or program; in textiles, a stencil or embroidery design for a curtain or table-scarf; in wood, working drawings for a chair, table, clock-case, book-rack, etc.; in metal, cabinet hardware and lighting fixtures, etc. Talks supplemented by photographs of the best paintings and architecture, and talks upon taste in home furnishing and appointments, with visits to worthy examples, should supplement the course with a view to developing an enlightened taste in art.

In Mechanical Drawing the pupil is expected to acquire neatness and accuracy in the use of drawing instruments. This course should include practice in line work, lettering, machine or architectural working drawings, and tracing. Recognition, commensurate with the length of course and the degree of proficiency attained in the use of instruments, will be given,

however, to courses consisting of line work, lettering, and the construction of geometric figures.

11. Shopwork.—Two things are expected: First, a knowledge of the materials and tools used, and a thorough understanding of the principles involved in the operation performed; second, manual dexterity, as evidenced by neatness, accuracy, and dispatch in the execution of a given piece of work.

Woodworking (½ unit) demands the ability to recognize the common varieties of wood, and some knowledge of their physical properties, such as ease of working, strength, toughness, hardness, etc., is expected. The pupil should be familiar with the uses of the principal hand tools of carpentry, and, with care, be able to make the ordinary kinds of joints and splices, and be familiar with the operation of lathe, jig-, band-, and circular-saws, and planing machines.

Forge Work (½ unit) demands an elementary knowledge of the properties of wrought iron and steel, and of the proper heats at which to work them. The management of the forge and fire and the nature and uses of all the ordinary blacksmithing tools should be known. The pupil should be able to execute all of the common forging processes, including the various forms of welds in iron and steel; he is also expected to understand hardening, tempering, and annealing.

Foundry Work (½ unit) demands a knowledge (1) of the tools and processes used in the ordinary forms of green sand molding and core work; (2) of the properties of cast iron, and experience in pouring cast iron as well as in molding. The pupil should have had practice in charging and operating the cupola.

Machine Shop Work (½ to 1 unit) demands a knowledge of the tools and processes used in the working of iron, steel, and brass. The pupil should be able to execute all forms of vise work, such as chipping, filing, scraping, fitting, and finishing. He should be familiar, through experience in operation, with the simpler forms of machine tools, such as the lathe, drilling machine, planer, shaper, and milling machine.

12-15. Agriculture, Horticulture, Domestic Science, Commercial Subjects, Music.—The outline prepared by the University of California is suggested.

FEES, EXPENSES, AND AID FUNDS

APPLICATION, TUITION, AND COMMUNITY FEES

The Application Fee for all candidates for admission to the University, and for all registered students applying for admission to the Graduate Division is $5, payable at the time of application.

The Tuition Fee for new graduate students is $85 per quarter, except in the Graduate School of Business where the fee is $115 per quarter. These fees apply also to all former students who enroll in the Graduate Division for the first time after September 1, 1927.*

The Tuition Fee for students registered in the Graduate Division prior to January 1, 1927, is $50 per quarter, with the following exceptions: $115 per quarter in the Graduate School of Business, $85 per quarter in the School of Medicine, $65 per quarter in the School of Law. These fees apply also to students enrolled as undergraduates prior to January 1, 1927, who register in the Graduate Division for the winter, spring, or summer quarters of 1927.

The Tuition Fee for undergraduate students in all departments of the University is $85 per quarter.*

The Community Fee for all students, graduate and undergraduate (except as noted below), is $10 per quarter. This fee covers the privileges of the gymnasia, athletic grounds, hospitals, the Stanford Union or Women's Clubhouse, and membership in the Associated Students. There is also a Pavilion Fee of $1 per quarter assessed upon all undergraduates by the Associated Students. The Community Fee is not collected from students registered at the Hopkins Marine Station. Students registered in the School of Medicine at San Francisco are charged a Hospital Fee of $2 instead of the Community Fee.

In addition to the fees listed above, students in laboratory courses pay for the materials which they use, and in some courses syllabus and other fees may be charged. In medical courses a deposit ranging from $10 to $20 per annum, is required to cover breakage or loss of apparatus and materials, such deposits being returnable, less charge for breakage, loss, or wear and tear of apparatus.

In the School of Medicine, students who have paid the regular fees in full, and wish to take additional work before graduation, will pay for this work such fees as are decided upon in conference with the Dean and Executive Head of the department in which such courses are taken.

The General Fee (covering all charges) at Hopkins Marine Station, prior to September 1, 1927, is $75 per quarter for all graduate and undergraduate students. After September 1, 1927, the fee will be $85 per quarter.

A Diploma Fee of $5 is charged all persons receiving degrees from the University, except those who have enrolled for the first time in the graduate or undergraduate divisions of the University since January 1, 1927.

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* After September 1, 1927, the tuition fee for students, graduate and undergraduate, registering for the first time in the School of Medicine, will be $100 per quarter.

Refund of Fees

Students who withdraw from the University before the end of a quarter, may receive refunds of portions of their fees, provided written requests are filed within two months of the time of withdrawal from the University. Refunds will be made according to the circumstances of the withdrawal, as follows:

1. *Annulled Registration.*—Students who withdraw from the University voluntarily within two days after the day of registration may have their registration annulled. The refund will be the tuition and community fees in full. Such students will not be included in the office records, and will not secure any privileges for admission for any subsequent quarter on the basis of being returning students.

2. *Leave of Absence.*—Leave of absence may be requested from the Registration Committee by any student in good standing at any time, but will be granted within four weeks of the end of the quarter only with the approval of the Scholarship Committee. When leave of absence is granted, effective within two weeks after the day of registration, the refund will be the tuition fee paid less $10, and one-half of the community fee ($5); between two and four weeks after the day of registration, the refund will be the tuition fee paid less $25, and one-half of the community fee ($5); thereafter there will be no refund allowed. Such students will be included in the office records, and may enroll in the University for any subsequent quarter with the privileges of a returning student.

3. *Cancelled Registration.*—Students who have their registration cancelled, or are suspended from the University, for cause, will receive refunds on the same basis as those receiving a leave of absence, unless otherwise specified in the disciplinary action taken. A student whose registration is cancelled within one week after the day of registration, for an offense committed during a preceding quarter, will receive a full refund of tuition and community fees.

4. *Provisional Registration.*—Students who have received permission to attend the University provisionally, pending the adjustment of their standing, and who are denied registration within one week after payment of fees, will receive a full refund of tuition and community fees. Such students will not be included in the office records. After one week they will receive refunds on the same scale as for a leave of absence.

Syllabus and laboratory fees (collected after the fourth week of the quarter) are not subject to refund. Chemistry laboratory fees, collected at the beginning of the quarter, are refunded on the order of that department on the basis of the service and supplies which have been used. Fines may be refunded on the order of the authority under which they were imposed.

COST OF LIVING

There are five dormitories for men (Branner, Encina, Toyon, and Sequoia Halls, and the Stanford Union) and one for women (Roble Hall).

Undergraduate men, not living with parents or guardians, are expected to room in the dormitories. New Lower Division men entering the University in the autumn, are required to live at Encina Hall for the first three quarters; those entering in the winter, for the first two quarters; those

entering in the spring, for the first quarter only. Rooms in the Union are available preferably for graduates and seniors. Application for room assignment should be made to the Dean of Men several weeks in advance of the opening of the quarter, and should be accompanied by a deposit fee of $5. Men students not rooming in the dormitories may live only in places approved by the University (consult the Dean of Men). Rooms in the dormitories cost from $18.50 to $36 per quarter (average cost $24 per quarter), payable at the beginning of each quarter. Students living in the dormitories are expected to supply their own linen and bedding for standard size single beds. Board may be obtained at the Stanford Union, Sequoia Hall, Encina Hall, and in various clubs, the cost ranging from $30 to $40 per month. New Lower Division men who live at Encina Hall are also required to eat there. The cost of board in the Encina dining hall is approximately $30 per month, payable in two installments ($45 during the first week of the quarter, and the remainder about the fourth week).

In Palo Alto, at an average distance of a mile and a quarter from the University, rooms (for men) can be obtained in private houses at from $12 to $18 per month. Special commutation tickets are issued by the Southern Pacific Company, and students living in towns on the line of the railway, from San Francisco to San Jose, easily go to and from the University daily. There is also trolley connection with San Jose, Los Gatos, and intermediate towns.

Undergraduate women not living with parents or guardians, are required to reside in Roble Hall for three quarters. (Some modification of this requirement for the succeeding autumn quarter may be made for students entering in the winter and spring quarters.) Women students not residing in Roble Hall may live only in places approved by the University (consult the Dean of Women). Rooms in Roble Hall cost $30 per quarter and board approximately $80 per quarter, except for the summer quarter, when room rent is $35 and board $90. Room rent is payable in advance for the quarter (for the summer quarter either in full or in two installments, $23 and $12 respectively); board in advance for the quarter or in two installments ($45 and $35, or, for the summer quarter, $54 and $36). Students rooming in the Hall furnish couch covers, bed linen, blankets, towels, bureau scarfs, rugs, and curtains. White curtains are uniform for the Hall and must be purchased of the House Director. (Students in the summer quarter are furnished curtains without extra charge; a few rugs are available for rent to summer quarter students.) Applications for rooms in Roble Hall should be made to the Social Director and must be accompanied by a deposit of $5. (Checks should be made payable to Stanford University.) Rooms are assigned in order of application, and early application is advisable.

The cost of living for students of Medicine in San Francisco is about the same as at Stanford University. There are numerous rooming and boarding houses near the medical buildings.

(A guest suite is maintained at the Stanford Union and may be engaged by making reservations in advance. The guest suite, available for men, or man and wife, is composed of a sitting-room, bedroom, and private bath. Rates per night, $3 for one person, $3.50 for two; by the week, $21. Limit of two weeks. Reservations may be made with the Custodian. Additional guest rooms will be added to the Union accommodations as far as the campus housing problem permits and patronage is assured.)

Fixed Expenses Per Quarter

The following is an estimate of the expenses *per quarter*, for undergraduate men, *for the items named:*

	Medium	High
Tuition and Community Fees	$ 95.00	$ 95.00
Books, Syllabus Fees, etc.	15.00	30.00
Board	90.00	120.00
Room	18.00	45.00
Incidentals (other than clothing and railway fares)	35.00	50.00
Laundry and clothing	35.00	100.00
Total for the quarter	$288.00	$440.00

Laboratory fees are additional. The cost of board is variable and the estimate given for men is conservative, while a lower cost is possible in co-operative clubs. For women residing in Roble Hall room and board amount to $110 for the quarter ($125 for the summer quarter). All undergraduates pay also the Pavilion assessment of $1 per quarter.

SELF-SUPPORT OF STUDENTS

A considerable number of students find it possible to earn the whole or a part of their expenses while attending the University. Success depends upon the student himself. The University, through the Appointment Secretary's office, and in other ways, is able to help the student both in finding work and in making plans. It cannot, however, assume the responsibility of supplying work for all applicants. The student who combines initiative with industry and reliability, and who is willing to adapt himself to circumstances, is the one who succeeds in this as in other undertakings. It is, however, the opinion and advice of those most closely in touch with the problem of student self-support that no new student should register unless he has sufficient means at hand or in prospect to carry him through his first quarter.

Students who are contemplating earning their own expenses at the University should not register for a heavy course nor attempt to engage in more than one student activity, particularly during their first quarter at the University. (Self-supporting students whose scholarship is high are given preference in the awarding of scholarships.) While it is an education in itself for the student to work his own way, there are many valuable features of college life that must be foregone in order to earn a living. Students who have the necessary means will do well to devote any energy not needed in their studies to various extra-curricular activities rather than to earning their expenses. Because the opportunities for self-support are limited the student should hesitate to take over a money-making position unless he really needs to do so.

The student is not advised to enter the University without a reserve fund to provide for immediate needs or unexpected contingencies. This fund ordinarily ought to amount to at least $250, although it is preferable for new students to have a larger sum. The student needs time to get acquainted; to become adjusted to University methods and requirements; to systematize his University work; to learn about the various opportunities for earning money; and to discover how much time he can afford to devote to self-support and still make study his main object

aside from keeping in good health. In general the student should not undertake to earn a larger proportion of his expenses than is absolutely necessary, for his time is too valuable for this and should be devoted to his studies to the largest extent possible. It is recommended that no new student plan to devote more than four hours a day to earning his expenses.

One of the most popular means of earning board at the University, whether for men or women, is by waiting on table. From two to four hours per day will cover the required time, which comes when it is least missed. Such chances are to be found in the dormitories, in cafés and boarding houses, and in public and private eating clubs. In connection with the University dining halls and dormitories, there are opportunities for employment as waiters, bus boys, cashiers, soda fountain clerks, telephone operators, and typists, at the established rate of pay, fifty cents per hour. (Application should be addressed to the Director of University Dining Halls, Stanford Union, Stanford University, California.) New students are advised to make application as soon as registration has been assured.

Other forms of work for the relatively unskilled are gardening, housework, care of children, janitor service, special jobs in connection with gymnasium and athletic activities, manual labor in connection with laboratory sections, agencies for laundries and other concerns. Positions requiring more or less preliminary training have to do with plain cooking, clerking, bookkeeping, stenography and typewriting, music for dances, newspaper reporting, printing, tutoring, and the management of student enterprises. Other means of support are found in the scholarships and fellowships offered, and through the considerable loan funds now available. A limited number of opportunities during the short vacations, particularly at Christmas time, can be found in San Francisco and elsewhere, as special postoffice clerks or salesmen in the larger stores.

New students who must begin earning as early as possible, will do well to be on hand a short time in advance of the opening of the University and to come equipped with bicycles and working clothes. They should promptly enroll with the Appointment Secretary, Room 170, in the Administration Building and continue to report at the office daily until sufficient employment is secured. Women should discuss their plans also with the Dean of Women.

Assistantships

Student-assistant positions in the various departments are available for either graduates or undergraduates. There are opportunities for assistants in teaching and laboratory work, assistants in quiz sections, in the reading of examination papers and reports, as well as a number of minor positions where mere labor without skill or special knowledge is required. These positions range in pay from $35 to $200 each per quarter, but are not ordinarily available to new undergraduate students.

Each department selects and recommends for appointment its own assistants. Requests for information as to pay and duties, and applications for appointment, should be addressed to the Executive Head of the department in which a position is sought.

LOAN FUNDS

After the first quarter in the University, students may defer payment of tuition fees by means of tuition notes. These notes, covering tuition only

and not including community fees, are issued by the Dean of Men and the Dean of Women upon approval of the President. All undergraduates who are candidates for the degree of Bachelor of Arts are entitled to tuition notes, with the following exceptions: students registering at the Hopkins Marine Station, in Summer Geology, or in any other course which may be hereafter established for which it is intended to use tuition fees to finance the course, and fourth-year students registering in medicine. Ordinarily these notes are granted only to students who are contributing to their own support.

Cash loan funds are available only to applicants having a scholarship average of C or better, unless otherwise specified. Except in the cases noted, applications for the following loan funds should be filed with the Dean of Men:

The Alumni Jordan Scholarship Fund.—The Alumni Jordan Scholarship Fund has been founded largely by physicians who were at one time students of Stanford University. Its purpose is to pay the tuition fees of two or three medical students of high standing, with the stipulation that at some future time the amount will be returned without interest. The student who once receives this scholarship loan will be entitled to its use throughout his medical course, provided his work continues to be satisfactory. Application should be made to the Dean of the Stanford Medical School, San Francisco, California.

Stanford Alumni Association Graduate Loan Fund.—Loans are restricted to candidates for advanced degrees, including the A.M., J.D., M.D., and Ph.D. degrees, preference being given to candidates for the Ph.D. degree. In making loans emphasis shall be placed upon character, scholarship, and intellectual promise in addition to personal need.

Stanford Alumni Association Undergraduate Loan Fund.—"For worthy undergraduates."

Associated Students Undergraduate Loan Fund.—For the benefit of worthy undergraduates who are members of the Associated Students of Stanford University.

William Burton Barber Loan Fund.—Established in 1914 by Mrs. Anna M. Barber, in memory of her son, William Burton Barber, '02, "to provide for needy and worthy students." This fund, increased by over $5,000 from the estate of Mrs. Jeannette Taylor, is available for men and women of the senior class who have been registered in the University for at least one quarter.

Class of 1906 Loan Fund.—No restrictions except such as may be imposed by the Committee on Scholarship.

Horace Davis Loan Fund.—Mr. Horace Davis, charter member of the Board of Trustees, provided in his will a fund of $10,000, the interest of which is to be used as a loan fund for students.

Dean of Men's Loan Fund.—An emergency loan fund administered by the Dean of Men upon approval of the President.

Delta Gamma Memorial Fund.—Established in 1926 as an emergency loan fund for women students. Application should be made to the Dean of Women.

East Bay Stanford Women's Club Loan Fund.—Established in 1925 by the East Bay Stanford Women's Club. Application should be made to the Dean of Women.

Harker Alumnae Association Loan Fund.—Established in 1917 by the Alumnae Association of Miss Harker's School, a large number of whose graduates have been Stanford students. There are no restrictions except that if a graduate of Miss Harker's School applies she shall be given preference, other qualifications being equal. Application should be made to the Dean of Women.

Dr. Robert Patek Memorial Loan Fund.—Established in 1921 by Mrs. Sadie Dernham Patek (Stanford, '11) in memory of her husband, Dr. Robert Patek. This fund, principal and interest, is to be loaned to medical students to assist them in completing their medical course. A student who has once received a loan from the Fund is entitled to receive additional loans until his graduation. The loans granted to students are to bear no interest for six years, then to carry an interest rate of 6 per cent until paid. Applications for loans are to be made through the President's Office.

John M. Switzer Student Loan Fund.—Mr. John M. Switzer (ex-'98) has presented to the Student Guild the sum of $500, which is to be used from time to time as an emergency loan fund to help tide over critical periods in the career of needy and deserving students who are trying to complete a course at Stanford.

Women's Student Loan Fund.—The Women's Student Loan Fund was organized by the Women's Conference through private subscription, and is increased yearly by small sums earned by a committee of the Conference. It is available for small emergency loans on the following conditions: (1) No interest to be charged until one year after the student leaves the University, then to begin at 6 per cent, payable annually; (2) all loans to be paid within five years after the student leaves the University. Applications for loans from this fund should be made to the Dean of Women.

SCHOLARSHIPS

Applications for the following scholarships, unless otherwise specified, should be addressed to the Secretary of the Committee on Scholarship. For the University Graduate Scholarships, applications should be filed by March 1; for the E. C. Converse, William S. Cranston Memorial, and E. W. Hopkins Scholarships, which are awarded to entering freshman students, the date is June 15; and for all other scholarships, April 1.

Alumni Scholarship.—Established in 1923 by a group of alumni. The donors nominate the holder of the scholarship. They direct that all tuition, registration, and other fees be paid out of the stipend, and that the amount remaining, divided into approximately nine equal installments, be paid to the holder of the scholarship toward living expenses. The amount available is $500.

The Bertha Hyde Braly Scholarship.—In 1916 Mrs. J. M. Braly, of Fresno, established an annual scholarship of $250 in memory of her daughter, Bertha Hyde Braly, '97. The amount of the scholarship was increased to $300 by Miss Elizabeth M. Braly in 1921. The scholarship is available for a woman student who is a resident either of Fresno County or Santa Clara County.

The Cap and Gown Scholarship.—Established in 1924, by the Cap and Gown Society, to be awarded annually to a woman student. The amount available is $300.

Colonial Dames Scholarship.—Established in 1923 and, either upon the recommendation of the Department of History or by competition, to be awarded annually to the student submitting the best paper on a subject in the field of colonial history. The amount available is $100.

The E. C. Converse Scholarships.—In 1921 the University received a bequest of $50,000 from the estate of Edmund C. Converse for the establishment of the E. C. Converse Scholarship Fund. The income of this fund is to be used under the direction and at the discretion of the President or other ranking executive of the University, in the establishment and maintenance of scholarships not exceeding $500 per annum, to be paid to needy and deserving students. Ten undergraduate scholarships of the annual value of $250 each have been created.

The Mabel Hyde Cory Scholarship.—In 1921 Miss Emma L. Martin, '97, and her sister established a scholarship of the annual value of $500, in memory of Mabel Hyde Cory, '96, who died February 15, 1921. This scholarship is to be awarded preferably to a needy young woman in the Department of History.

The William S. Cranston Memorial Scholarship.—In 1924 Mr. and Mrs. William M. Cranston established a scholarship of the value of $500 annually, in memory of their son, William S. Cranston. This scholarship is to be awarded to an entering student.

The George E. Crothers Law School Scholarship.—In 1917 Judge George E. Crothers, of the class of 1895, established a Law School Scholarship of $250 to be awarded annually. Application should be made to the Dean of the Law School.

The Dickey Scholarships.—In 1914 the Trustees of the University received from the estate of the late W. J. Dickey, of Fresno, the sum of $10.000 for the establishment of the W. J. Dickey Scholarship Fund "to aid young men from Fresno County, preferably from Fresno City, to make their way through Stanford University." The Trustees of the Dickey Estate are Mr. E. A. Waldron, Cashier of the First National Bank of Fresno, and Mr. M. B. Harris, of the Fresno bar. The selection and appointment of the W. J. Dickey scholars is made by the President upon the recommendation of the Committee on Scholarship, subject to the provision that the trustees under the will of Mr. Dickey shall be consulted and their advice taken before any appointment is made. No one may be appointed to a Dickey Scholarship unless he shall have been a resident of Fresno County, and preferably of Fresno City, for at least two years prior to his appointment; and no scholarship may be held or shared by one person for more than four years.

No one may be appointed to a W. J. Dickey Scholarship unless he has fulfilled all the requirements for regular standing in the University.

Other things being equal, in making appointments preference shall be given to first-year students.

Appointments are made for the college year, but may be terminated earlier at the discretion of the committee, and also at the discretion of

the committee appointments may be renewed for a total period not to exceed four years.

In making its recommendation the Faculty Committee shall keep in mind that the donor of the W. J. Dickey Scholarship Fund wished the benefits derived therefrom to favor persons financially unable to make their way through college. In addition to this fact, character, scholarship, and seriousness of purpose shall be taken into consideration in determining appointments.

The W. J. Dickey Scholarship Fund provides for two scholarships of about $225 each, payable in nine monthly installments.

Application for appointment to the W. J. Dickey Scholarships, with pertinent evidence and testimonials, is to be made to the President of the University, who will refer it to the appropriate committee. Candidates shall be recommended by the committee to the President, who will submit the names to the Trustees of the Dickey Estate, and upon their approval appointments shall be made by the President of the University.

The Henry G. Dodds Scholarship.—In 1921 Mr. Henry G. Dodds established a scholarship fund of $3,000, which in 1925 was increased to $5,000. The income from this fund ($270) is to be awarded annually to a deserving young man preferably from the Pacific Coast.

The Orrin W. Dunn Scholarship.—Established in 1923 by Mrs. Harriet L. H. Dunn to aid in meeting the expenses of young men (who must be unmarried) attending Stanford University and registered in any of the various departments of engineering, chemistry, geology, or medicine, with sufficient credit to entitle them to junior standing. The donor has provided that the holder of the scholarship shall be selected by the President of the University. The annual value of the scholarship is $300.

Walter Mason Field Scholarship.—In 1927, Mrs. Nancy K. Field established a scholarship, of the annual value of $300, in memory of her husband, Walter Mason Field.

The Hiram C. Fisk Scholarship.—In 1920 Mr. W. D. Fisk established a scholarship in memory of his son, Hiram C. Fisk, who is on the Stanford Honor Roll. The amount now available is $250 per annum.

Florence Hecht Fries Scholarship in Medicine.—In 1925 Mrs. Dorothy Fries Lilienthal established a scholarship fund of $5,000 in memory of her mother, Mrs. Florence Hecht Fries. The income of this fund ($250) is to be awarded annually to a worthy and needy student preparing for the profession of medicine, the selection being made by the President of the University or by a properly authorized committee.

The Gertrude Gardiner Scholarship.—In 1920 Miss Gertrude Gardiner established a scholarship of the annual value of $200, to be known as the Gertrude Gardiner Scholarship, and to be awarded to a non-sorority woman who has been a student in the University for at least two quarters and who is a resident of Roble Hall.

The Wilmer J. Gross Scholarship.—In 1919 Mrs. Wilmer J. Gross (Dorothy Davy, '16) founded a scholarship in honor of her husband, Wilmer J. Gross, '16, who died in service in France. This scholarship, of the annual value of $150, is open to all undergraduate men who have been in residence in the University at least one year, the appointment to be

based primarily on scholarship, with the addition of good moral character and general excellence.

Harvard Club Scholarships (for students residing in the neighborhood of San Francisco).—The Harvard Club of San Francisco offers two scholarships, of the annual value of $350 each, to students desirous of pursuing undergraduate studies in Harvard College, or postgraduate studies in Harvard University. Other things being equal, preference will be given to undergraduates. In awarding these scholarships the scholarly attainments of the applicants, as shown by their records, their character, needs, and general development will be considered. Applications should be made in writing, not later than February 15, to the Chairman of the Scholarship Committee of the Harvard Club of San Francisco, Mr. George S. Potter, 1827 Pacific Avenue, San Francisco.

William F. Herrin Scholarship Fund.—In 1925 the University received from Mr. William F. Herrin, of San Francisco, a gift of $4,500, the income to aid deserving students who need or require such aid in order to obtain or complete their education. The annual value of the scholarship is $300.

The Brodie G. Higley Scholarship.—In 1915 Mr. Brodie G. Higley, of the class of 1899, established, through the Alumni Association, an annual scholarship of $150, "open to either a man or woman undergraduate student who is in good and regular standing in the University, and to whom the money will be a real assistance." In 1919 Mr. Higley deposited with the Board of Trustees securities to the amount of $3,000 to perpetuate this scholarship.

The selection and appointment of the Brodie G. Higley scholar will be made by the President upon the recommendation of the Faculty Committee on Scholarship. Appointment will be made for the college year, but may be terminated earlier on recommendation of the Committee and at the discretion of the President.

Applicants for the scholarship must have been registered in the University for at least three quarters prior to the time of application. In making appointments it will be the purpose of the University to emphasize character, scholarship, and intellectual promise, as well as personal need. Ordinarily the scholarship will be payable in six equal installments, beginning October 1. Applications should be filed with the Academic Secretary of the University.

The E. W. Hopkins Scholarships.—In 1923 the University received from Mr. E. W. Hopkins a gift of $25,000, the income to be used for paying the tuition of needy students. Five scholarships for entering students, of the annual value of $250 each, have been established.

The Charles Andrews Huston Memorial Scholarship.—Established in 1923 by Mrs. Margaret Huston as a memorial to her husband, Charles Andrews Huston, for many years Professor of Law and Dean of the Stanford Law School. The holder is to be either a graduate or an undergraduate student in the Law School, nominated by the faculty and approved by the Committee on Scholarship. Provided he meets the minimum requirements for holders of University scholarships, the holder need not be chosen primarily for scholarship rating, but for high personal, social, and professional ideals and for interest in cultural fields outside his pro-

fessional work. The annual amount available is $150. Application should be made to the Dean of the Law School.

The Ira S. Lillick Scholarship.—In 1920 Mr. Ira S. Lillick, of the class of 1897, established a scholarship, of the value of $500, to be awarded annually to a worthy student, preferably in Law. Application should be made to the Dean of the Law School.

The Mrs. Ira S. Lillick Scholarship.—In 1920 Mrs. Ira S. Lillick established a scholarship, of the value of $500, to be awarded annually to a worthy student, preferably in Law. Application should be made to the Dean of the Law School.

The Ernest A. Love Scholarship.—In 1920 Mr. and Mrs. Allan Love founded a scholarship, of the annual value of $150, in honor of their son, Ernest A. Love, '18, who died in service in France. This scholarship is open to worthy and needy undergraduate men, preference being given to students from Arizona.

The Mrs. McDowell Roble Club Scholarship.—The sum of $150 per year has been presented to the University by Mrs. John E. McDowell for the purpose of establishing a scholarship to be granted to a Roble Club member who has been a student in the University and a resident of Roble Hall for two years, the award being made at the close of the junior year.

Memorial Scholarship.—The trust establishing the Leland Stanford Junior Memorial Scholarship provides a fund of $6,000, the income of which shall be used "to pay the living expenses, cost of books, fees, and other necessary expenses of the holder." Under the present arrangement the Memorial scholar receives in cash $100 per quarter, or a total of $300 for the academic year. In addition the trust sets aside a room in Encina Hall for the use of the holder of the scholarship and for which no charge is made.

The Dorothy Metz Scholarship.—In 1920 Mrs. Lillian C. Metz established an annual scholarship, of the value of $200, in memory of her daughter, Dorothy Amanda Metz, '17, who died in service, the scholarship to be awarded "to a worthy and ambitious student of limited means." In 1925 an endowment of $5,000 was left by Mrs. Metz in her will which increased the value of the scholarship to $250.

Robert S. and Florence Moore Scholarship.—In 1925 the University received from Mr. and Mrs. Robert S. Moore a fund of $3,000, the income to be applied to the support of some worthy student. The annual value of the scholarship is $150.

Palo Alto Public School Scholarships.—These scholarships were established, one in 1925 and the other in 1926, by the teachers of the public elementary schools of Palo Alto. The scholarships are to be awarded to Stanford students on the basis of character, need, promise, and a scholarship record of an average of B grade or higher for at least two years. Qualifications, including scholarship, being equal, they are to be given to a graduate of the Palo Alto Elementary Schools; otherwise to the applicants deemed most worthy in the judgment of the Committee on Scholarship. The amount available for 1926–27 is $450.

The Palo Alto Union Federation of Parent-Teacher Associations Scholarships.—Established in 1926, to be awarded annually to deserving students from one of the school districts represented in the Federation. The amount available is $436.27.

The Maud Huntsberger Peck Scholarship.—Established in 1926 by Mrs. Maud Huntsberger Peck, '08. The annual value of the scholarship is $300.

P.E.O. Scholarship of the Santa Clara District.—Established in 1926 by the P.E.O. Sisterhood of the Santa Clara District, to be awarded annually to a woman student who lives in the district. The amount available for the academic year 1926–27 is $213.50.

Regional Scholarships.—These scholarships may be awarded to persons who meet the minimum requirements for admission to the University (fifteen acceptable high-school units); who ranked in the upper fifth of their graduating class, counting all four years of the preparatory course, or only the last two; and who need this help in order to enter the University. Nominations and funds for regional scholarships will be received from the organized alumni of the region.

The Rhodes Scholarships.—Under the will of the late Cecil Rhodes two scholarships are assigned to each state and territory in the United States. Each scholarship has a yearly value of £350, and is tenable at any college in the University of Oxford for three successive academic years.

Candidates must be unmarried, must be citizens of the United States, and must be not younger than nineteen nor older than twenty-five on October 1 of the year in which they are elected. All scholars, before going into residence, shall have reached at least the end of their sophomore year at some recognized degree-granting university or college. In accordance with the wish of Mr. Rhodes the trustees desire that "in the election of a student to a scholarship, regard shall be had to (1) his literary and scholastic attainments; (2) his fondness for and success in manly outdoor sports, such as cricket, football, and the like; (3) his qualities of manhood, truth, courage, devotion to duty, sympathy for and protection of the weak, kindliness, unselfishness, and fellowship; (4) his exhibition of moral force of character and of instincts to lead and take an interest in his schoolmates during school days."

The Dr. Emmet Rixford Scholarship in Surgery.—In 1921 Dr. Emmet Rixford, Professor of Surgery in the Stanford Medical School, made a gift of $500, to be awarded annually to some graduate of Stanford Medical School or to some staff member of rank under that of assistant professor, to be chosen by the medical faculty, for work on some surgical problem, anatomical, physiological, pathological, or clinical, the problem to be approved by the faculty. Application should be made to the Dean of the Stanford Medical School, San Francisco.

The San Francisco Lodge, No. 3, B.P.O.E. Scholarship.—Established in 1924, for a San Francisco boy, provided "that he be worthy, that he be in need, and that he be of good strong character." In 1925 a second scholarship was established. The amount available annually for each scholarship is $500. No application is necessary.

San Mateo Union High School Regional Scholarship.—Established in 1921 by the Associated Students of the San Mateo Union High School.

The annual amount available is $300. Application should be made to the Principal of the San Mateo Union High School.

The Margaret Sidney Scholarship.—Established in 1924 by Miss Margaret Lothrop in memory of her mother, Mrs. Daniel Lothrop. The preference is to be given a woman student who is interested in writing as a life work. The amount available is $300 annually.

The Leon Sloss Fund.—In 1922 Mrs. Bertha G. Sloss established a fund of $5,000 in memory of Mr. Leon Sloss, one of the original trustees of the University, the income to be awarded annually to a needy student. At present this fund is being administered by the Scholarship Committee. The annual amount available is $250.

Stanford Resident Alumnae Scholarship.—In 1925 the Stanford Resident Alumnae voted to offer annually a scholarship, of the value of $300, preferably for a woman student.

Stanford Student Chapter of the American Society of Civil Engineers Scholarship.—Established in 1925. The amount of $300 is available annually. Application should be made to the President of the Stanford Student Chapter of the American Society of Civil Engineers.

Stanford Women's Club of San Francisco Scholarship.—The provisions of this scholarship, established in 1924, stipulate that it shall be awarded preferably to a San Francisco girl and that the need of the student shall be the chief concern. The amount available annually is $150.

The John Maxson Stillman Scholarship in Chemistry.—Established from the Stillman Testimonial Fund, presented to Professor John Maxson Stillman by graduates and former students in chemistry, and by others, on the occasion of his retirement from active service in the University, in May of 1917. The amount available is $150 per year, and the scholarship is open to undergraduate or graduate students in the Department of Chemistry upon nomination by the department faculty and approval of the President. Application should be made to the Executive Head of the Department of Chemistry.

The University Graduate Scholarships.—In 1919 the Trustees of the University established for graduate students thirty Stanford scholarships, each paying $200 per year of three quarters, awarded for a term of one year, and allowing for the scholar's reappointment at the expiration of this time. Holders of these scholarships are required to pay tuition and community fees, the graduation (diploma) fee, laboratory expenses, and all similar charges laid upon other graduate students.

Charles W. Willard Scholarship.—In 1925 the University received from the partners and family of the late Charles W. Willard, a gift of $5,000, the income to be used to establish a graduate scholarship for advanced study in administrative, public health, or social service work. This scholarship is to be given only to graduates of the Stanford School of Nursing who, in the opinion of the Superintendent of the Hospital and the Superintendent of Nurses, are best qualified to pursue such advanced course of study. The annual amount available is $250. Application should be made to the Superintendent of Nurses, Stanford School of Nursing, San Francisco.

FELLOWSHIPS

American Field Service Fellowships for French Universities.—The American Field Service Fellowships have been established in order that advanced American students may avail themselves of the great advantages offered by the French universities in every field of science and learning. To be eligible a candidate (1) must be a citizen of the United States; (2) must be preferably between the ages of twenty and thirty years; (3) must at the time of making the application be a graduate of a college of recognized standing; (4) must be of good moral character and intellectual ability, and of suitable personal qualities; (5) must have a practical ability to use French books, both in general subjects and in his special field.

Each fellowship has an annual value of $1,200 and is tenable for one year, renewable for a second year upon application. Candidates should apply before December 15 to the Secretary, American Field Service Fellowships for French Universities, 522 Fifth Avenue, New York City.

American Smelting and Refining Company Fellowship in Chemistry.—Established in 1925 for two years for the purpose of investigating the sulphur dioxide problem. For the year 1926–27 the amount available is $1,000 plus $1,000 for expenses. Application should be made to the Executive Head of the Department of Chemistry.

The Buckel Fellowship.—In 1914 the University established, through the co-operation of the trustees of the estate of Dr. C. Annette Buckel, a research fellowship for the study of backward and feeble-minded children. The annual income from the Buckel estate is supplemented by a sum appropriated by the Trustees of the University, making the total amount available for the fellowship $500. Application should be made to the Executive Head of the Department of Psychology.

Commission for Relief in Belgium (C.R.B.) Fellowships.—In 1919 there was established an exchange of graduate students between Belgian and American universities under the auspices of the C.R.B. Educational Foundation, Inc. Application for these fellowships for Americans should be made through the President's office, or directly to the Secretary of the Foundation, 42 Broadway, New York, N.Y.

Fellowships in School Administration.—In 1919 a fellowship was established jointly by Professor Cubberley and the Board of Trustees, of the annual value of $500, and known as the Fellowship in School Administration. In 1924 a second fellowship of the same character and amount was established by similar joint action. Application for these fellowships should be made through Professor Cubberley.

Fellowship in the Study of Gifted Children.—In 1919 a fellowship for the Study of Superior Children was established jointly by Professor Terman and the Board of Trustees, the amount available varying from year to year. Application for this fellowship should be made through Professor Terman.

The Food Research Fellowships.—From time to time the Food Research Institute has funds available for one or more fellowships, awarded for three quarters for the purpose of promoting research upon food problems. Application should be made to the Executive Secretary, Food Research Institute.

John Simon Guggenheim Memorial Foundation Fellowships.—In 1925 Senator and Mrs. Simon Guggenheim announced a preliminary gift of $3,000,000 for the endowment of the John Simon Guggenheim Memorial Foundation Fellowships, in memory of their son. The purposes of the Foundation are "to improve the quality of education and the practice of the arts and professions in the United States, to foster research, and to provide for the cause of better international understanding."

The fellowships are open to both men and women, ordinarily between the ages of twenty-five and thirty-five, who have shown marked ability in their particular subject, and are available for study in any country in the world. The principal obligation imposed on the holders of fellowships is that they shall produce contributions to knowledge in their special subjects and, secondly, that they shall make the results of their studies publicly available.

The annual value of each fellowship is approximately $2,500. Application should be made to Henry Allen Moe, Secretary, John Simon Guggenheim Memorial Foundation, 2300 Pershing Square Building, New York City.

The High-Voltage Laboratory Research Fellowship.—Through an anonymous gift a fellowship carrying a stipend of $500 was established in the Electrical Engineering Department for the year 1926–27 and designated by the authorities of the University the "High-Voltage Laboratory Research Fellowship."

The department promulgates high-voltage laboratory research in two categories:

I. Research undertakings as a department, in some or all of which the hearty co-operation of the holder of this fellowship will be desired.

II. Research undertakings with the approval, support, and guidance of the department to permit the definition and solution of a problem of particular interest to the individual student and of promise of helpfulness in education and practice. Application should be made to the Executive Head of the Department of Electrical Engineering.

The Eric Knight Jordan Research Fellowship in Geology.—In 1926 Dr. and Mrs. David Starr Jordan established a fellowship fund in memory of their son, Eric Knight Jordan, to be awarded annually. The amount available for 1926–27 is $330.

The Lionel Remond Lenox Fellowship in Chemistry.—In 1921 Professor Lionel Remond Lenox, of the Department of Chemistry, established a fellowship, of the annual value of $600, the condition of award being as follows:

The holder of the fellowship must be a graduate of Stanford University or of some other college or university of recognized standing; must have taken at least one year of graduate work in the Department of Chemistry of Stanford University; must be a candidate for the degree of Doctor of Philosophy in Chemistry in Stanford University; must show an excellent degree of scholarship; and, in addition, be of good moral character. The question of the financial stress of the holder need not be considered primarily, though in general, where there are several applicants of equal degree of scholarship, preference naturally should be given to the one most in need of financial assistance; the selection of the candidate to rest entirely with the Department of Chemistry.

Application should be made to the Executive Head of the Department of Chemistry.

The Physical-Therapy Fellowship.—This gift, established by an anonymous donor in 1923, and to be known as the Rehabilitation Fund of the Medical School, provides a fellowship for six months. The amount available is $300. Application should be made to the Dean of the Stanford Medical School, San Francisco.

Thomas Welton Stanford Fellowship in Psychic Research.—From the "Psychic Fund" created by Mr. Thomas Welton Stanford, in 1913, the Trustees have established this fellowship for research in psychic phenomena.

Teaching Fellowships in Chemistry.—The Board of Trustees established in 1917 two teaching fellowships, of the annual value of $600 each, in Chemistry. Application should be made to the Executive Head of the Department of Chemistry.

Teaching Fellowships in Mathematics.—In 1926 the Department of Mathematics established two teaching fellowships of the annual value of $750 each. Application should be made to the Executive Head of the Department of Mathematics.

The University Fellowships.—The Trustees of the University established in 1917 two University fellowships, and in 1919 six additional fellowships, of the value of $750 each per year of three quarters, to be awarded annually by the Committee on Graduate Study for the purpose of fostering advanced study and research in the University. In 1925 four additional fellowships of the value of $400 each were established. In general these fellowships will not be awarded to students in their first year of graduate study. Application should be made to the Committee on Graduate Study at least six months in advance of the proposed date of registration.

The William Roberts Eckart Research Fund for Mechanical Engineering.—Together with his mother, sister, and two brothers, Professor W. R. Eckart, of the Department of Mechanical Engineering, established this fund, in 1923, as a memorial to his father, William Roberts Eckart, the income each year to be applied toward the furtherance of research in the Department of Mechanical Engineering, either by grants for research, for scholarships or fellowships, for prizes, or in any other manner which, in the judgment of the President of the University and the full professors of the Department of Mechanical Engineering, may seem most desirable to produce the best results.

For the present, the donors suggest that: (1) a prize of $50 or more, depending upon the amount of interest available, be awarded to that student in Mechanical Engineering presenting the best thesis during each college year, this award to be known as the "William Roberts Eckart Prize in Mechanical Engineering"; (2) in judging the merits of the various theses submitted, the following points be considered: "conception, originality, analysis of problem, method of attack, experimental work, presentation of data, and results and conclusions drawn from same"; (3) the awards be made by a committee consisting of the full professors of the Department of Mechanical Engineering; (4) no award be made in any year in which no thesis of sufficient merit, in the judgment of the committee, is presented.

Yale Alumni Association Fellowship.—For the pursuit of graduate study at Yale, the Yale Alumni Association of California awards annually to a graduate of Stanford University or of the University of California, the sum of $300 (to which Yale University adds an amount equal to the charge for tuition). Applications should be addressed to the Secretary of the Yale Alumni Association, University Club, San Francisco.

THE STUDENTS' HOSPITAL FUND

The Students' Hospital Fund, established for the benefit of the student, is financed by the payment of $2.00 per quarter, which is included in the community fee. Arrangement has been made with the Palo Alto Hospital and with the Stanford University Hospital in San Francisco for the care of non-contagious cases. For contagious diseases at the University, the Fund maintains an Isolation Hospital on University property. The Fund provides substantial financial assistance in cases of medical and emergency surgical treatment.

GENERAL REGULATIONS

REGISTRATION

On the appointed registration days in October, January, April, and June, each student must obtain a certificate of registration *in person* at the Registrar's office.

Matriculated students may register after the appointed registration days upon payment of a special fee: two dollars on the first or second day, three dollars on the third day, four dollars on the fourth day, and so on up to the maximum of ten dollars. Registration of undergraduates (including special students) will not be permitted later than three weeks after the beginning of instruction. (Places are not held for women, nor for new Lower Division men, after the regular registration days, except by permission of the Committee on Registration granted in advance.)

STUDY-LIST CARD

At the Registrar's office the student receives a card for selection of studies for the quarter. This card, properly filled out, and approved for Lower Division students by the Committee on Lower Division Administration, for others by the Major Department, must be filed with the Registrar at the time of registration; but late study cards will be accepted upon payment of a special fee of two dollars. Students registering late are admitted to particular classes only by permission of the instructor concerned. All work for which university credit is desired must be duly registered.

ENROLLMENT IN CLASSES

A student desiring to enroll in any class presents his certificate of registration to the instructor at the beginning of each quarter. (In certain Lower Division classes he must also present the seat card issued by the Lower Division Committee which assures enrollment.) Whether the student is qualified for enrollment in a particular class is a question to be decided by the instructor in charge. In general, the prerequisites for taking any given course are noted under "Courses of Instruction."

CHANGE OF STUDIES

A student desiring to drop a subject once taken up, or to take up a new subject after the study card has been filed, must present to the appropriate committee a petition for such change, approved by the major department and by the instructors whose subjects are to be taken or dropped. In general, petitions so approved, and not involving courses required of Lower Division students, if they do not give the student too many unit-hours, or too few unit-hours, and if presented within two weeks after the beginning of the quarter, are granted without question. At the end of the first two weeks the undergraduate study-lists are to be considered as fixed. After this period petitions to drop or take up courses are granted only for extraordinary reasons, and only on payment of a special fee of two dollars for

each course; if otherwise acceptable but presented after the close of the quarter, they will be granted only on payment of a special fee of four dollars for each course. During the last four weeks of the quarter no courses may be officially removed from the student's study-list for any reason whatever; but if failure to complete a course satisfactorily be due to illness or other unavoidable circumstance, application may be made to the Committee on Scholarship for such relief as shall seem equitable.

CHANGE OF MAJOR SUBJECT

Petitions to change the major subject will be granted when approved by the departments in charge of both the old and the new subjects, the student being held to all the requirements of the new major subject.

AMOUNT OF WORK

Graduate students are not held to any prescribed number of units, but ordinarily registration will not be permitted unless such students are prepared to devote at least half of their working time to university study.

The normal amount of work to be registered for each quarter by undergraduate students is fifteen units. Registration by undergraduate students for less than thirteen units of work is permitted in the case of students doing outside work for self-support, where considerations of health are involved, or for other reasons satisfactory to the Committee on Registration. All such programs of study must be approved by the Major Department or Lower Division Committee, and by the Committee on Registration.

Maximum limits upon the number of registered units which may be counted toward the 180 units required for graduation apply to the following classes of students:

1. Students in their first quarter of residence.—Upper Division students limited to 18 units; Lower Division students, to 16 units.

2. Students who have incurred a "failure," "condition," or "withdrawal from class without permission," in the preceding quarter of residence.—Limited to 16 units (except as noted below under 4).

3. Students whose previous Stanford record falls below an average grade of B (grade-point rating of 2).—Limited to 18 units (except as noted below under 4).

4. Students who have completed at least 123 of the 180 units required for graduation, and whose previous Stanford record reaches an average grade of C+ (grade-point rating of 1.5); or whose record reaches in the three preceding quarters of residence an average grade of B (grade-point rating of 2).—Upon application to the Committee on Registration may be granted permission to undertake completion of the work for the degree of Bachelor of Arts in three quarters; students who have completed 140 units, under the above conditions, may apply for completion of the work in two quarters; students with 159 units, in one quarter.

5. Students whose previous Stanford record reaches an average grade of B (grade-point rating of 2).—Counting value of approved program of study not restricted.

The grade-point rating is obtained by dividing the total number of grade points received by the number of registered units. The total number of registered units is the sum of all units registered for each quarter, less those which have been dropped by permission.

Petitions for irregular registration are to be presented at the beginning of the quarter.

Every unit for which credit is given is understood to represent approximately, for the average student, three hours of actual work per week, through one quarter. Thus, in lecture or recitation work, for one unit of credit one hour per week may be allotted to the lecture or recitation and two hours for preparation or subsequent reading and study on the part of the student; but if a less amount of time is allotted for preparation or subsequent reading or study, there shall be a proportionate decrease in the amount of credit. Where the time is wholly occupied with drawing, field, or laboratory work, or in the classroom work of conversation classes, three full hours per week through one quarter are expected of the student for each unit of credit; but where such work is supplemented by systematic outside reading or experiment under the direction of the instructor, such a reduction may be made in the actual drawing, field, laboratory, or classroom time as seems just to the department concerned.

INDEPENDENT STUDY PLAN

At the beginning of the junior year, or at the beginning of any quarter thereafter, any student whose university record is of an average B grade or above, or who is deemed by his school or department as specially qualified may, with the consent of the School or Department, enroll under the Independent Study Plan. The plan of study is arranged with the intention of providing a program of work both more comprehensive and more intensive than that of the average student, calling for greater initiative, more self-direction, a higher type of thinking, and leading to a comprehensive final examination or examinations. Some faculty member of the School or Department is the special adviser of the student. The student is checked up in his work through reports, theses, discussions, and conferences with the adviser, or, and to the extent that may be determined, through meeting the regular tests in particular courses.

SCHOLARSHIP HONORS

High scholastic attainment is recognized by the University in the following ways: By awarding honors upon the completion of the Lower Division, to about the upper tenth of the class; by conferring the degree of Bachelor of Arts "with distinction" upon about one-tenth of the graduating class, "with great distinction" upon about one-twentieth of the graduating class.

SCHOLARSHIP GRADES AND GRADE POINTS

In reporting the standing of students at the end of each quarter the following grades are used: A, B, C, D, passing grades, corresponding in a general way to the terms, "excellent," "good," "fair," "barely passed"; + passed (without defining grade); ± conditioned; (—) failed. In grading classes, A is considered as normally applicable to not more than 15 per cent,

B and C to 35 per cent each, and D to 15 per cent of the students of passing grade. (This distribution of grades is advisory, and is understood to admit of a certain degree of flexibility in the handling of small or advanced classes.)

Grade points are assigned to units of credit according to the quality of the work done, as follows: Units passed with a grade of A are given three grade points each; with a grade of B, two grade points each; with a grade of C, or +, one grade point each; with a grade of D, no grade points. For work marked "conditioned" or "failed," no grade points are given. A condition removed does not count grade points, no matter what the final grade may be. (Advanced credit for work in other institutions counts one grade point for each unit of credit.)

CONDITIONS AND INCOMPLETES

A student conditioned or reported incomplete in any subject must remove the deficiency within one calendar year (interpreted as the succeeding four quarters of actual attendance), or the work will be considered a failure.

A deficiency due to failure to take or pass a written (final) examination is removed by passing a similar test on the same work. This may be done by taking a regular class examination in the course if repeated in time, or a special written examination to be held during the fourth week of any quarter. A student is entitled to one examination within the year, either regular or special.

Where deficiencies are due to failure to take or pass an oral examination, the time for holding a new oral examination to remove the condition or incomplete, is determined by the instructor concerned. Compliance with the regulations for written examinations, so far as practicable, is required.

Deficiencies due to other causes may be removed by any work or test satisfactory to the department concerned.

Only one examination to remove a condition is permitted. If an examination to remove an incomplete results in a condition, but one examination is allowed to remove it. Instructors will report grades on all such examinations to the Registrar. Any deviation from these regulations requires the approval of the Scholarship Committee.

SCHOLARSHIP REPORTS AND NOTICES

At the end of the quarter each department is notified of all serious deficiencies in scholarship affecting students whose major work is in that department.

When a student is reported as seriously delinquent in scholarship, the fact is communicated to his parent or guardian.

PROBATION AND DISQUALIFICATION

Standard work is obtaining fifteen units, with as many grade points as registered units, per quarter. This standard applies to each quarter and also as an average standard to be maintained on the entire record of the student.

At the end of any quarter in the University a student who fails to obtain twenty-two counts (the sum of units and grade points) is placed on probation. At the end of the first or second quarter he is considered as failing in

his studies, and is disqualified for further attendance at the University, if he does not obtain ten counts. At the end of subsequent quarters less than fifteen counts will result in disqualification.

At the end of the second and every subsequent quarter the student's entire accomplishment is compared with what would have been obtained had he done standard work. If he is above, at, or even slightly below standard, his scholarship standing is considered normal. But if his deficiency becomes considerable the result is probation, and in serious cases disqualification.

Application for reinstatement is not ordinarily considered until the end of three quarters after disqualification; but a student disqualified solely on a deficiency in a single quarter who has an average C grade in all his Stanford work prior to that quarter, may be reinstated at the end of one quarter, except that such students disqualified in June may not re-enter before the following January. Reinstatement is granted only upon satisfactory evidence that the student has employed the period of absence from the University usefully, either in attendance at another educational institution or in some gainful occupation. Work in another institution must reach an average quality halfway between passing and one hundred; or, if the institution is a member of the Association of American Universities, one-third above passing. Work outside of a college or university must amount to at least seven months, and must show diligence, ability, and maturity of purpose.

LEAVE OF ABSENCE IN CASE OF DELINQUENT SCHOLARSHIP

Leave of absence will not generally be granted to a student on probation, nor to any student whose work during the current quarter is unsatisfactory, unless applied for at least four weeks before the end of the quarter.

FROM SPECIAL TO REGULAR STANDING

Special students may be entered in regular standing on passing examinations in the required number of entrance subjects, provided such examinations are passed not later than two years after matriculation. (Entrance examinations are given in June by the College Entrance Examination Board; in September by the University, using the comprehensive question papers prepared by the Board.) In place of entrance examinations, university work to the amount of seven units for each entrance unit may be offered in university subjects which are also included in the entrance group. In case the student has met all Lower Division requirements, a request for change from special to regular standing involving a program leading to the Bachelor's degree may be granted without an arbitrary number of additional hours for graduation.

UNIVERSITY CREDIT FOR EXTRA ENTRANCE SUBJECTS

High-school subjects offered in excess of the fifteen units required for undergraduate standing may be credited toward graduation, with a maximum of seven university units for one entrance unit, under the following conditions: (1) The subject must anticipate a course or courses given in the University (e.g., advanced mathematics, the laboratory part of elementary chemistry, or a foreign language); (2) the student, during his first six

quarters in the University, must either pass the regular quarterly examinations in the corresponding course, or else complete an advanced course in the University in the same subject with a grade not lower than B. Additional high-school units earned after matriculation may be offered only by special students and for the purpose of making up entrance deficiencies.

UNIVERSITY CREDIT FOR SPECIAL COURSES

Matriculated students on leave of absence may take work in other universities, usually without any restrictions other than those imposed by the institution in question.

Work of a special character taken outside of regularly scheduled classes, *in absentia* or during vacation periods, may be credited under the following conditions: (1) The work must be acceptable as part of the major requirements for the degree of Bachelor of Arts in the department whose courses it parallels or supplements, must be given necessary supervision and direction by such department and subjected to tests equivalent to those in regularly scheduled courses, and must be approved by the major department and by the Committee on Admission and Advanced Standing; (2) such work may not be offered by students whose general scholarship record is unsatisfactory, or for covering deficiencies due to poor scholarship; (3) not more than forty-five units may be credited toward graduation for such special courses.

Ordinarily the last quarter's work of every candidate for a degree must be taken in this University; but in special cases, students who have obtained at least one hundred and thirty-five units in resident work, and who have completed all major department requirements, may be exempted from this regulation and permitted to complete the required number of units under the provisions noted above.

ADVANCED CREDIT

A student from an institution of equivalent rank may expect to receive the same standing relative to graduation as at the former institution, but not to exceed three years' advanced credit (one hundred and thirty-five unit hours toward graduation), and not without consideration of differences in the standard of entrance preparation and degree requirements. Every candidate must present a complete certified transcript of his college record, including entrance credit, and a letter of honorable dismissal.

Credits from recognized junior colleges are evaluated in terms of the amount of work completed, and the extent to which standard Lower Division requirements have been fulfilled. The maximum allowance for work in junior colleges is two years of university credit (ninety quarter units). Records involving work both in junior colleges and in accredited degree-granting institutions are given individual consideration and adjustment.

Recommended graduates of approved State Normal Schools, where the normal training has been preceded by a full four-year high-school course, or where high-school and normal-school courses together cover six years of work, may ordinarily be granted advanced credit of sixty-seven units. In the case of students from teachers' colleges which offer more than the two-year normal training, or which include junior college curricula, additional credit may be allowed if justified by the nature and amount of work completed.

In general, advanced standing for work done before matriculation will be given only when certified as having been completed in some institution of recognized collegiate rank, except as provided above for extra entrance units, or, in particular cases, to recommended graduates of approved State Normal Schools. But in special cases permission may be given by the Faculty to receive credit on examination for work equivalent to regular university courses. Application for such examinations, with satisfactory evidence of the work accomplished, must be presented to the Committee on Advanced Standing. Applications for advanced standing on the basis of work done before entering the University must be made within two years after matriculation.

LEAVE OF ABSENCE

A student desiring to leave the University for a brief time should apply to the Committee on Registration. If leave of absence is desired on account of sickness, the petition must be indorsed by the medical adviser. During the last four weeks of the quarter, no petition will be granted except upon approval of the Scholarship Committee. A leave of absence is merely a justification of the absence and not a relief from the work that has been missed, and is usually necessary only in case of interrupted work; a student in good standing absent one or more quarters may re-enter at the beginning of any quarter without formal petition.

HONORABLE DISMISSAL

An honorable dismissal means that the student is permitted voluntarily to withdraw from the University and is commended to the favorable consideration of any institution he may wish to enter. An honorable dismissal does not carry any implication as to scholarship and may be granted upon written application to any student not under discipline for misconduct.

CONDUCT OF STUDENTS

The Committee on Student Affairs exercises the authority of the University over all students individually with respect to personal conduct, and, with the exception of athletic and debating teams, over student organizations which bear the name of the University, or which represent the University in non-academic activities, and, in general, assumes such measure of authority over non-academic organizations of students as may be needful to safeguard the general good name and well-being of the University community.

Individual or collective student enterprises, which involve the absence of the participants from the University, while using the University name must receive the official sanction of the Faculty Committee concerned.

In the government of the University the largest liberty consistent with good work and good order is allowed. Students are expected to show both within and without the University such respect for order, morality, personal honor, and the rights of others as is demanded of good citizens. Failure to do this will be sufficient cause for removal from the University.

In 1908 the Board of Trustees of the University provided that in all future rentals or leases of houses as fraternity chapter houses it shall be

expressly stipulated that no intoxicating liquors of whatever kind shall ever be sold or used on the premises. The Trustees also by formal resolution requested the Academic Council to prohibit the use of liquor in fraternity chapter houses, student clubhouses, and other student lodgings.

This action of the Board of Trustees is in harmony with the instructions given by the Academic Council to its Committee on Student Affairs, and defines the policy of the University. Prohibition of the use of liquor extends to all student lodgings whether on the campus or elsewhere, and the University assumes that the act of registering as a student implies full acceptance of this policy.

STUDENT CONTROL

In 1911–12 the Faculty Committee on Student Affairs and the University Conferences entered into an agreement by which responsibility for the government of the students and for maintaining University standards was assumed by the men and women of the University. Since then the women have continuously discharged their responsibility, and the making and enforcing of the social regulations which govern women students are in their hands. The delegation of responsibility, temporarily recalled, for men, in 1918, was resumed in 1919–20, under an agreement between the President and the men of the University. The Men's Student Council is responsible for the enforcement of University rules governing conduct of men students, and all actions of the Council are submitted directly to the President for sanction or disapproval.

HONOR SYSTEM

In 1921 the Honor System was established by the Academic Council of the University. Under this system, responsibility for honesty in the conduct of examinations rests (1) with each individual student, who is pledged not to receive or give aid in examinations, (2) with the major students of each department, whose duty it is to conserve and strengthen the system within the departments, and (3) with the Student Councils, who have general supervisory control and the power to adopt regulations and deal with infractions of the system in the same manner as other cases of discipline.

UNIVERSITY HEALTH CONTROL

The University exercises an advisory control over student health affairs through the Committee on Public Health.

Every student upon entering the University is required to report for a brief examination. Any condition which may place a limitation on the amount or kind of work planned by the student may be discussed with him or made the subject of a report to his major department or to the Committee on Registration.

Students intending to train for any of the athletic teams, or to register for gymnasium work, are required to pass a careful physical examination at the beginning of each quarter.

Examinations at the University have shown that about sixteen per cent of entering men have defective vision of which they are unaware or which has not been corrected. Prospective students are urged to have their eyes

examined by competent specialists before entering the University so that weaknesses may be corrected by glasses.

Vaccination

Not later than four weeks after the day of registration every student must file with the Committee on Public Health a certificate, signed by the vaccinator, who must be a duly licensed and practicing physician, giving exact dates of vaccination, and showing acceptable vaccination within seven years.

Non-compliance with these requirements will result in a fine of two dollars after four weeks, and cancellation of registration after five weeks from the day of registration.

Certificates are to be filed at the Registrar's office. They will be returned upon request. "Conscientious objections" will not be recognized as exempting anyone. Unavoidable delay, or failure to secure a satisfactory certificate, will not exempt anyone from the fine.

(It is advised that candidates comply with this requirement before coming to the University, and that vaccination certificates be sent in advance by mail. Blank certificate forms may be obtained on application to the Secretary of the Public Health Committee, at the Registrar's office.)

DEGREES AND TEACHING CREDENTIALS

DEGREES

Candidates may be presented for graduation in January, April, June, and October.

No degree will be conferred upon any person who has not spent at least three quarters in resident study at the University. No honorary degrees are given.

LOWER DIVISION REQUIREMENTS

The Lower Division consists of the first and second years of the University curriculum. Its object is to introduce the student to fundamental fields of human interest, and to this end it requires the completion of certain studies during the first two years. To the students enrolled in the Lower Division the members of the Committee on Lower Division Administration stand in the same relation as that occupied by departmental advisers toward their major students.

Under the supervision of the Committee on Lower Division Administration, the work of the first two years is made up of group requirements, subject requirements, and electives. These requirements are as follows:

Group Requirements

Eighteen units (nine each year) in each of the following groups: (I) Languages and literature (English and foreign), formative art (including graphic art and drawing courses in the engineering departments); (II) natural sciences, mathematics; (III) social sciences (including history, political science, economics, philosophy, and education).

Subject Requirements

Six units in English composition (English 2, three units per quarter for two quarters), to be taken during the second year in the University, and applied on the Group I requirement. (A course in elementary English composition [English A] is also prescribed for first-year undergraduates who do not satisfy the matriculation test.)

Twenty-two units in one foreign language, or *fifteen units* each in two foreign languages. (This requirement may be anticipated, in the high school, in whole or in part, its full equivalent being three entrance units in one foreign language or two entrance units each in two foreign languages.)

Nine units in a biological science, and *nine units* in either Physics or Chemistry, applying on the Group II requirement. (One of the sciences may be anticipated in the high school, its equivalent being one entrance unit in a biological science, or in Physics or Chemistry, or in General Science.)

Nine units in American History and *nine units* in general History, normally taken during the second year to fulfill Group III requirement.

(One of the History requirements may be anticipated in the high school, its equivalent being one entrance unit in History.)

Twelve units in Citizenship (four units per quarter), to be taken during the first year in the University. This course fulfills the Group III requirment in the first year.

All undergraduates enrolled in the Lower Division, with the exception of those registered in the Military Department, are required to devote to physical training three schedule hours per week, for a maximum of six quarters.

MAJOR SUBJECT

The selection of a Major Subject will be made ordinarily at the end of the second year, upon completion of the requirements of the Lower Division. The Lower Division student may, however, at the beginning of any quarter, designate the particular department in which he expects later to do his major work, and will then be directed to the department for consultation and advice regarding electives before making up his study-list.

At the beginning of the junior year, and upon completion of the Lower Division requirements, the student selects as a Major Subject the work of some one department. The Major Department has the authority to prescribe not more than sixty units in the Major Subject (exclusive of elementary courses in the Major Department which may be offered for entrance). The Major Department shall also recommend such other courses as may be considered desirable, and shall exercise an advisory supervision over the student's curriculum from quarter to quarter. It shall be considered a general principle of University policy, to be departed from only in exceptional cases, that at least ninety of the one hundred and eighty units required for the degree be taken outside of the Major Department.

In applied science the Major Department may prescribe as much of the entire one hundred and eighty units as it shall deem essential to the technical or professional requirements of the Major Subject.

Within these limitations the work in all departments is elective, and the student may freely choose any course which his previous studies have prepared him to undertake.

(A student in regular undergraduate standing who does not intend to become a candidate for the degree of Bachelor of Arts, may choose, with the approval of the Lower Division Committee, or of the Major Department, any course in the University which his previous training has prepared him to undertake.)

BACHELOR OF ARTS

The degree of Bachelor of Arts (A.B.) is conferred upon candidates who have fulfilled the following requirements:

1. The completion of one hundred and eighty (quarter) units of university work, including the required Lower Division courses, together with the required physical or military training. (A special student who has completed two hundred and twenty-five units of university work, including all Lower Division and major requirements, and whose general university record is deemed proof of superior scholarship, may become a candidate for graduation on approval of the Committee on Admission and Advanced Standing; but ordinarily petitions to this end will not be considered by the

Committee until after the student has completed one hundred and eighty units of university work.)

2. The acquirement of as many grade points as there are units registered on the candidate's record card.

3. The completion of the major subject requirements as prescribed by the Major Department.

The recommendation of the Major Department is necessary to graduation.

Forty-five units constitute a normal year's work (see p. 132), but the ordinary class divisions (freshman, sophomore, junior, senior) are not recognized by the University. The degree is conferred whenever the requirements are met, without regard to the time spent, except that at least forty-five units (including, except in special cases, the last fifteen) must be completed in this University.

If graduates of other universities desire to become candidates for the baccalaureate degree, the question of units required for graduation may be waived, upon approval of the Committee on Admission and Advanced Standing, and the degree conferred on the satisfactory completion of not less than forty-five units of university work and the fulfillment of all major and minor requirements.

As a recognition of high scholastic attainment the Bachelor's degree may be granted "with distinction" or "with great distinction."

MASTER OF ARTS*

The degree of Master of Arts (A.M.) is conferred on graduates of this University, and of other recognized institutions, upon the satisfactory completion of one academic year of graduate work, the presentation of an approved thesis, and the passing of such general or final examination as the School or Major Department may require. A longer period of residence will be necessary for candidates who are inadequately prepared, or who devote less than the normal proportion of time to their studies. In no case will the degree be granted unless the student has been registered for three quarters after completing the requirements for the degree of Bachelor of Arts. The Master's degree is conferred only upon recommendation of the Committee on Graduate Study.

A candidate must file with the Registrar, not later than the third week of the quarter next preceding that in which the degree is to be conferred, an application for candidacy; which shall include a recommendation, from the School or Major Department, of his candidacy for the Master's degree, and a program of study approved by the School or Major Department. The acceptance of this application by the Committee on Graduate Study is necessary for admission to candidacy for the degree. At least two-thirds of a year's work must be devoted to advanced or graduate study in the major subject or in intimately allied subjects. Work may be done in connection with regular courses, or, as research, independently of them. Applications once submitted must be kept on file, and may not be withdrawn even if substitutes are filed and accepted.

* For new regulations in force beginning September 1, 1927, see *Graduate Study Bulletin, 1927–28.*

The Master's thesis must display the candidate's ability to do independent work. A copy, bearing the approval of the instructor under whose supervision it was prepared, must be submitted to the Committee on Graduate Study by the date on which instruction closes for the quarter in which the degree is to be conferred. This copy shall be the original, not a carbon copy, typed on paper of standard size and weight, with a title-page of the form prescribed by the Committee, and suitably bound. Upon acceptance it will be placed in the University Library.

MASTER OF BUSINESS ADMINISTRATION

The degree of Master of Business Administration will be conferred, upon the recommendation of the Committee on Graduate Study, when the student has satisfied the requirements laid down by the faculty of the Graduate School of Business.

ENGINEER*

In the School of Engineering and the departments of applied science the professional degree of Engineer is conferred on graduates of this University, and of other recognized institutions, upon the satisfactory completion, in residence, of professional study for either one or two years, as the School or Major Department may require, and upon the presentation of an approved thesis, showing ability to do independent work. After October 1, 1929, two years of study will be required in all departments. Upon the recommendation of the School or Department, and only in order to permit the carrying on of advanced work under conditions not available at the University, the requirement of residence may be waived in part. The degree is conferred only upon the recommendation of the Committee on Graduate Study.

The special regulations for the degree of Master of Arts dealing with registration, program of study, and thesis, as stated above, apply also to candidates for the degree of Engineer.

JURIS DOCTOR*

The degree of Juris Doctor (J.D.) is conferred, upon recommendation of the Committee on Graduate Study, on students who have previously received the degree of Bachelor of Arts, or its equivalent, upon the completion of the three years' professional law course.

DOCTOR OF MEDICINE

The degree of Doctor of Medicine (M.D.) is conferred upon recommendation of the Committee on Graduate Study, on students who complete the five years' curriculum in Medicine (which includes the interne year), based upon the three years' pre-medical course as laid down by the University.

DOCTOR OF PHILOSOPHY*

A candidate for the degree of Doctor of Philosophy (Ph.D.) must be a graduate of this University or have had equivalent training. Those who contemplate offering themselves as candidates for this degree are invited to

* For new regulations in force beginning September 1, 1927, see *Graduate Study Bulletin, 1927–28.*

correspond with the instructors in the subjects involved. Before being recommended for the degree, a candidate must show, together with a satisfactory general equipment, high attainment in a particular field of knowledge, and ability to do independent investigation; mere length of residence and courses taken are not the main consideration. A candidate must have satisfactorily completed at least three years of graduate work under the following conditions:

1. At least one year of graduate study, other than the first, must be spent in residence at this University. Candidates must be registered in the University. Within the first quarter after entering upon study for this degree, that is, ordinarily, the first quarter of the second year of graduate study, a candidate must file with the Registrar an application for candidacy; which shall include a recommendation, from the School or Major Department, of his candidacy for the doctor's degree, and a preliminary program of study approved by it. The approval of this application by the Committee on Graduate Study is necessary for admission to candidacy for the degree. Applications once submitted must be kept on file, and may not be withdrawn even if substitutes have been filed and accepted.

2. The program of study will include ordinarily one major subject and one or two minor subjects. The minor subject or subjects will usually represent approximately one-third of the program of study. In cases where a modification of the formal rule seems desirable to the School or Major Department and to the Committee on Graduate Study, as where the interests of the student's work may be better served by a division of his collateral study among more than two subjects or departments, or where certain courses of study falling within a department may be indicated rather than a full minor of one-third of his time, the minor subject requirement may be waived.

3. Before the primary examination provided for in the next paragraph the candidate must show a reading knowledge of French and German in his special field. The faculty of the department in which the major work is taken determines whether this requirement has been met, and certifies the fact in writing to the Committee on Graduate Study at or before the primary oral examination.

4. At some time within his third quarter of study preceding that in which the degree is to be taken, that is, toward the end of the preceding year, or in any event no later than the first six weeks of his next quarter following, the candidate must pass a primary oral examination approximately three hours in length. The examining committee shall consist of (1) the chairman of the Committee on Graduate Study or his delegate presiding; (2) the professors in the group of departments in which the major subject lies; (3) the professor or professors in charge of the minor subject or subjects, if lying in another group of departments. The five groups of departments are Language and Literature, History and Social Sciences, Biological Sciences, Mathematical and Physical Sciences, Engineering Sciences. The Department of Philosophy, the Department of Education, or the Food Research Institute may for this purpose be designated by the Dean of Graduate Study as a temporary member of any of the five groups. Any member of the Academic Council may attend and take part in the examination. The purpose of the examination is chiefly to investigate

the candidate's knowledge of his major and minor subjects, but his general education may also be touched on. For special reasons, and with the approval of the Major Department and of the Graduate Study Committee previously obtained by the student, a small proportion of the field of his major and minor subjects may be excepted from this examination. While the special field in which his dissertation lies may be inquired into, no searching examination into it will be undertaken at this time. A two-thirds majority of the Committee passes the candidate.

5. At least four weeks before the close of the final quarter before the degree is to be conferred, the candidate must deposit at the Registrar's Office a dissertation, an abstract of its contents between 200 and 5,000 words in length, and a short biography. The dissertation must be the result of independent work, expressed in satisfactory literary form, and must in some way add to or otherwise modify what was previously known on the subject. The dissertation, abstract, and biography must be approved by a special committee appointed by the chairman of the Committee on Graduate Study, consisting of the professor under whom they were written and two others.

6. After the acceptance of the dissertation by the special committee, the candidate shall be given a secondary oral examination of an hour or more, mainly on the special field in which his dissertation lies, and on such other subjects, if any, as may have been excepted from the primary examination. The examining committee, of five members, shall consist of the chairman of the Committee on Graduate Study or his delegate presiding, a professor selected by the candidate's Major Department, a professor selected by the candidate's Minor Department or departments, if any, and additional members (to make the total of five) appointed by the chairman of the Graduate Study Committee. Three favorable votes are necessary to pass the candidate.

7. Before the degree is conferred, the candidate must deposit at the Registrar's office (1) three typewritten (or printed) copies of his dissertation, one of which will be made available by the University Library for loan to other libraries, and (2) an abstract of its contents between 500 and 2,000 words in length. (The three copies should be typed on paper of standard size and weight, with a title-page of the form prescribed by the Committee, and suitably bound.) The abstracts will be from time to time issued in a volume by the University, and each candidate's estimated share in the expense of printing this volume will be added to his diploma fee. (The deposit required is $25.)

ADVANCED DEGREES IN THE SCHOOL OF MEDICINE

The departments of the School of Medicine are considered as equivalent to other departments of the University in respect to candidacy and requirements for the degrees of Master of Arts and Doctor of Philosophy, and all the foregoing regulations apply to these departments and department faculties as to departments and department faculties at the University, with the following modifications and limitations:

1. Candidates for these degrees must have received the degree of Bachelor of Arts at Stanford, or an equivalent training elsewhere, and must have the approval of the department faculty in which the degree is sought. The degree of Doctor of Medicine will ordinarily be required as a prerequisite for those wishing to do clinical work.

2. Time spent in candidacy for the degree of Master of Arts or Doctor of Philosophy will not be counted toward the degree of Doctor of Medicine.

TEACHING CREDENTIALS

Teacher's Certificates are issued by County, and City and County Boards of Education under the provisions of Section 1519, subdivision 5 (*a*), Section 1775, subdivision 1 (*a*), and Section 1792 of the Political Code of California. The State Board of Education of California, in accordance with the law, is empowered to issue Teaching Credentials, valid throughout the state, upon which County, and City and County Boards of Education may in turn issue Certificates. This University, through its School of Education, has been empowered to grant Recommendations to students who meet requirements laid down by the State Board of Education for Credentials. The Recommendations, Credentials, and Certificates issued are of seven grades: (I) Elementary, (II) Junior High School, (III) High School, (IV) Special, (V) School Administration, (VI) School Supervision, and (VII) Educational Research and Guidance. Preliminary Certificates (VIII), valid only for cadet teaching in connection with Education 201, are also granted.

The Certificates, granted on the basis of the State Board of Education Credentials, are valid for teaching, and Recommendations for them may be obtained under the following conditions:

I. THE ELEMENTARY-SCHOOL CERTIFICATE

(Valid for teaching in the eight grades of the elementary schools.)

1. The possession of a Bachelor's degree from this University.
2. The completion of requirements as outlined on page 79 of the *Announcement of the School of Education, 1926–27*, "Elementary Certificate Course."
3. A course in the Constitution of the United States, 3 units (History 175, 3 units).

[NOTE: This course is not a part of the State Board of Education requirements, and is in addition thereto, having been made mandatory by the legislature of California.]

II. THE JUNIOR HIGH SCHOOL CERTIFICATE

(Valid for teaching in any junior high school grades.)

1. The possession of a Bachelor's degree from this University.
2. The completion of 23 quarter units of work in Education, which must include: (*a*) Methods and Management of Instruction, 2 units (Course 199); (*b*) Practice in Teaching, with Conferences, 6 units (Course 200); (*c*) The Junior High School, 3 units, (Course 194); (*d*) California School System, 3 units (Course 155); (*e*) Education for Citizenship, 3 units (Course 160); (*f*) A Teacher's Course in one major or minor subject, maximum 2 units; and additional work to make up the required units. It is highly desirable that the requirements for the Elementary Certificate be completed by every candidate for the Junior High School Credential, that the credential may read "including Elementary," in order that the candidate may teach in the elementary grades as well.

3. The completion of the required work in at least one Teaching-Major and one Teaching-Minor, subjects taught in the high schools, with the exception that where the Major is Education, two Minors are required.

4. A course in the Constitution of the United States (History 175, 3 units).

(Persons who have had at least 17 months of experience in teaching, and who have completed 3½ years of collegiate work in advance of a four-year high-school course, including 13½ quarter units of prescribed work in the Department of Education, may apply directly to the State Board of Education for a Junior High School Credential, but will not receive the Recommendation of the Stanford School of Education.)

III. THE HIGH-SCHOOL CERTIFICATE

(Valid to teach in the junior colleges, high schools, junior high schools, or elementary schools.)

The State Board of Education has ruled that all work for certification must average C grade. The School of Education has ruled that all work done in graduate standing must be of C grade or above.

In all cases the candidate must hold a Bachelor's degree from some institution requiring eight years of high-school and college work for such degree, must satisfactorily complete the required work in at least one Teaching-Major and one Teaching-Minor, with the exception that where the Major is Education two Minors are required, and in addition must complete in this University a varying amount of graduate study, to be determined by the following conditions:

Group I: Standard Group

1. One year of graduate study (at least 39 quarter units of work numbered 100 or over, as Lower Division courses will not be counted by the State Board of Education if taken during the graduate year), which must include not less than 9 quarter units in subjects in which recommendation is sought and not less than 9 quarter units in Education.

2. At least 27 quarter units in Education, including the following courses: (*a*) Methods and Management of Instruction, 2 units (Course 199); (*b*) Practice in Teaching, with conferences, 6 units (Course 200); (*c*) Secondary Education, presenting particularly the purpose and attainable goals of high-school work, 3 units (Course 195); (*d*) The work of the Junior High Schools, 3 units (Course 194); (*e*) California School System and Law, 3 units (Course 155); (*f*) Education for Citizenship, 3 units (Course 160); (*g*) a teacher's course in at least one subject in which the candidate expects to be recommended for certification, if such course be given in the institution and be accepted or listed under the work in Education (2 units maximum for all such courses); (*h*) such other courses relating to the history, theory, function, and administration of public education, as are needed to complete the required 27 units.

3. Candidates who have taught or been engaged in school supervision in this or any other state, and who present credentials showing that they have done so for at least 9 months with reasonable success, may be excused from 6 of the 27 units of Education represented by the practice teaching (200),

and may also be excused from or allowed to substitute other work in Education for the course in Methods and Management of Instruction (199). All students desiring such exemption must make application on Form B, to be obtained at the office of the Secretary of the School of Education, Room 52.

4. A course in the Constitution of the United States (History 175, 3 units).

Group II: Experienced-Teachers' Group

Teachers who have had at least seventeen months of satisfactory experience in elementary or secondary schools, or 1,600 hours of classroom instruction in colleges or universities in this or other states, may be exempted, if their application for such exemption is approved by the School of Education, from as much as one-half of the year of graduate work, and from as much of the required work in Education as their experience seems to warrant, though not to exceed a total of 9 units. (Application for exemption from Education requirements on the basis of teaching experience must also be made on Form B.) In any case all such persons will be expected to meet at least the following requirements:

1. Two quarters (at least 26 quarter units) of graduate study (in Upper Division college subjects), which shall include not less than 9 units of advanced or graduate work in subjects in which recommendation is sought and not less than 9 quarter units in Education. Students who can arrange their graduate work so as to be present during the summer quarter may satisfy the residence requirement by one and a half quarters, if other requirements can also be met in this time.

2. At least 18 quarter units of work in Education, including (*a*) Secondary Education, 3 units (Course 195); (*b*) The Junior High School, 3 units (Course 194); (*c*) California School System and Law, 3 units (Course 155); (*d*) Education for Citizenship, 3 units (Course 160); (*e*) a teacher's course in at least one subject in which the candidate expects to be recommended for certification, as may be determined after consideration of the individual case (2 units maximum for all such courses); (*f*) additional courses as approved to make up the required 18 units.

3. A course in the Constitution of the United States (History 175, 3 units).

IV. SPECIAL CERTIFICATES*

(Valid for teaching only the special subjects in any elementary school, junior or senior high school, or junior college in California.)

A Special Certificate of secondary grade, authorizing the holder to teach only such branch or branches and in such grades as are named in such certificate may be granted as follows:

1. To recommended candidates who have had at least four years' instruction beyond that required for graduation from a high school maintaining a four-year course in advance of the eighth grade, or who have had an equivalent amount of training.

* See "Special-Certificate Courses" on p. 71, *Announcement of the School of Education, 1926–27.*

2. From 23 to 27 quarter units must have been devoted to the study of Education in courses suited to the training of a secondary-school teacher, at least 6 units of which must have been devoted to practice teaching, and a course must be taken in the methods of instruction in the special subject or subjects, under competent supervision. Ordinarily Courses 155, 160, 165, 194, 195, 199, and 200 must be included.

3. The work of all candidates must be approved by the Representative of the Special Subject in the School of Education.

4. Each Special Certificate course requires for recommendation the possession of the Bachelor's degree from the University.

V. THE SCHOOL ADMINISTRATION CREDENTIAL

This Credential will be granted to the holders of a valid California Teacher's Certificate, or a California Life Diploma, of elementary, junior-high, or secondary grade, who have had at least 17 months of successful experience in teaching, and who, *in addition* to all requirements for a regular Teacher's Certificate, have completed 22½ quarter units of work in Education, as given in the specific requirements listed below.

The School Administration Certificate authorizes the holder to administer public education and to engage in such supervision as may be properly included in the duties of a superintendent, deputy superintendent, assistant superintendent, principal, general supervisor, or head of a department offering instruction in non-special subjects, such as English, Mathematics, Social Science, etc. Superintendents, deputy superintendents, assistant superintendents, principals of schools of more than five teachers (one of whom acts as principal) and vice-principals devoting full time to administrative duties will be required to hold the School Administration Certificate. The grade of Certificate is determined by the grade of Teacher's Certificate held, and since January 1, 1925, has been indicated on the State Credential. The grade of such Credential may be raised without fee when the holder obtains a higher grade of general Teacher's Certificate.

Application for raising the grade of an Administration Credential must be made to the State Board of Education, accompanied by the Administrative Credential and the Teacher's Certificate of higher grade.

The following courses have been prescribed by the State Board of Education as the ones that must be taken to meet the requirements for this Credential. After the description of each course as prescribed the course offered by this University that will satisfy the requirement is indicated.

1. At least 15 units to be selected from the following courses:
   - *a*) A course in the History of Education in the United States, which will present the problems of present-day education in the light of their historical development. (Course 180, 4 units.)
   - *b*) A course in Educational Tests and Measurements, which will show their use and give some training interpreting the results obtained. (Course 186, 4 units.)
   - *c*) A course in School Administration, dealing with the broad fundamental principles underlying public school administration. (Courses 250, 251, 258, 4 units.)
   - *d*) A course in the Growth and Development of the Child. (Course 168, 3 units.)

e) A course in the Philosophy of Education. (Course 133 or 175, 4 units.)

2. At least 7½ additional quarter units, to be selected from the following courses:

a) Work of an Elementary-School Principal. (Course 254, 4 units.)
b) Administration of a High School, or of a Junior High School. (Course 230, 3 units.)
c) The Organization and Supervision of Elementary Education. (Course 262, 4 units.)
d) The Supervision of Instruction. (Course 222, 1 unit; 256, 4 units.)
e) Statistical Methods. (Course 185, 4 units; Psychology 60, 5 units.)
f) School Surveys. (Course 265, 4 units.)
g) Rural Education. (Course 174, 3 units.)
h) The Elementary School Curriculum. (Course 260, 4 units.)
i) The High School Curriculum. (Course 231, 2 units.)
j) State and County School Administration. (Course 250, 4 units.)
k) City School Administration. (Course 251, 4 units; 258, 4 units.)
l) School House Hygiene and Construction. (Course 269, 3 units.)
m) Methods in Mental Diagnosis. (Course 188, 5 units; 189, 4 units; 172, 3 units; 245, 4 units.)
n) The Organization or Administration of Vocational Education. (Course 234, 3 units; 235, 2 units.)

Under the rules of the State Board of Education, equivalents for any of the courses above, taken elsewhere, can be accepted only when they were completed in "a collegiate institution of standard grade."

VI. SCHOOL SUPERVISION CREDENTIAL

The School Supervision Certificate authorizes the holder to engage in school supervision, in accordance with the class held, viz.:

Class A. General Supervision, authorizing the supervision of all instruction within the grade of the Certificate.

Class B. Special Supervision, authorizing supervision in special field, such as music, art, physical education, etc.

Class C. Departmental Supervision, authorizing the supervision of departmental instruction in a junior college, high school, or junior high school.

Persons devoting at least half time to supervision will be required to hold the School Supervision Certificate. The grade of Certificate is determined by the grade of Teacher's Certificate held in the subject, or subjects, to be supervised, and since January 1, 1925, has been indicated on the State Credential.

This Credential will be granted to the holder of a valid California Teacher's Certificate, or a California Life Diploma, of any regular grade or special type, who has had at least 17 months of successful experience in teaching, including the subjects he wishes to supervise; and who, *in addition* to all requirements for a regular or Special Teacher's Certificate, has completed school supervision subjects in accordance with the class specified:

Class A—General Supervision

a) 15 quarter units selected from not less than four of the following courses (School Organization and Supervision, and Growth and Development of the Child required):

1. School Organization and Supervision. (Course 250, 251, or 256, 4 units.)
2. Growth and Development of the Child. (Course 168, 3 units.)
3. Philosophy of Education. (Course 133, 5 units.)
4. History of Education in the United States. (Course 180, 3 units.)
5. Educational Tests and Measurements. (Course 186, 4 units.)
6. The Curriculum. (Course 231, 2 units; 260, 2–3 units.)

b) 7½ quarter units selected from the following group:

1. Rural Education. (Course 174, 3 units.)
2. Educational Sociology or Social Aspects of Education. (Course 300, 3–5 units.)
3. The Relation of Community Agencies to Public Education. (Course 175, 5 units.)
4. Problems of Supervision. (Course 256, 4 units; 262, 4 units.)
5. Modern Practice and Experiment in Education.
6. Methods in Mental Diagnosis. (Course 188, 5 units; 189, 4 units; 245, 4 units; 172, 3 units.)
7. Vocational Guidance. (Course 234 or 235, 2 units.)

[Note: The candidate must also verify at least 9 quarter units in each of two subjects selected from the following: music, art, physical education, manual arts, commerce, home-making subjects, and agriculture. These courses need not be in addition to courses presented for the Teacher's Certificate.]

Class B—Special Supervision

a) 6 quarter units of work selected from at least two of the following courses (Growth and Development of the Child required):

1. Growth and Development of the Child. (Course 168, 3 units.)
2. Philosophy of Education. (Course 133 or 175, 5 units.)
3. History of Education in the United States. (Course 180, 3 units.)
4. Social Value of the Special Field in which Supervision is to be Done.

b) 9 quarter units of work selected from the following group (Organization, Objectives, and Supervision of Instruction in the Special Subject required):

1. Organization, Objectives, and Supervision of Instruction in Special Subject.
2. Tests and Measurements in the Special Subject. (Course 186, 4 units.)
3. Problems of Supervision. (Course 262, 4 units.)
4. Vocational Guidance. (Course 234 or 235, 2 units.)

Class C—Departmental Supervision

a) 7½ quarter units of work including the following courses (Problems in the Organization and Supervision of a Department and Educational Measurements required):

1. Problems in the Organization and Supervision of a Department. (Course 254, 4 units.)
2. Organization and Supervision of Instruction. (Course 256 or 262, 4 units.)
3. Educational Measurements, including Tests in Special Field, if available. (Course 186, 4 units.)

[NOTE: Holders of Class "C" Departmental Supervision Credentials may be granted the School Administration Credential upon completion of 15 quarter units of work in school administration subjects as outlined under group (I) of requirements for the Administration Credential.]

VII. EDUCATIONAL RESEARCH AND GUIDANCE CREDENTIAL

The State Board has provided for a Research Credential, secondary grade, the details of which are as follows:

Each applicant for an Educational Research and Guidance Credential must verify:

1. That he is a person of good moral character and represents a high type of citizenship.

2. That he holds a Bachelor's degree from a standard college or university, requiring not less than eight years of high-school and college training.

3. That he has completed one full year of postgraduate work, at least one-half of which has been completed in one or more of the institutions whose schools or colleges of education have been accredited by the California State Board of Education, or the equivalent thereof.

4. That he has had at least seventeen months of successful teaching experience.

5. That he has completed not less than 50 semester hours of work, or its equivalent, distributed approximately as follows:

i. Educational Psychology, 22 semester or 33 quarter hours selected from the following:
   a) Educational Psychology
   b) Growth and Development of the School Child
   c) Educational Tests and Measurements
   d) Mental Tests
   e) Educational Statistics

ii. Clinical Psychology, 10 semester or 15 quarter hours selected from the following:
   a) Psychology of the Abnormal
   b) Mental Deficiency and Delinquency
   c) Psychiatric Case Work or Mental Hygiene
   d) Psychological Clinic

iii. Educational and Vocational Guidance, 3 semester or 4½ quarter hours selected from the following:
   a) Educational and Vocational Counseling
   b) Industrial Psychology
   c) Personnel Management

iv. Sociology, 15 semester or 22½ quarter hours selected from the following types of courses:

a) Heredity and Eugenics
b) Social Case Work
c) Dependency and Delinquency
d) Family and Child Welfare
e) Industrial and Social Economics
f) State School Administration or City School Administration
g) Labor Problems and Industrial Relations

Total: 50 semester or 75 quarter hours.

A limited credential may be granted upon the completion of not less than 25 semester hours, or 37½ quarter hours, of work distributed approximately as above. However, all requirements must be satisfied before a long-term credential will be granted.

At the discretion of the Commission of Credentials, a credential limited to statistical work in an Educational Research Laboratory may be granted upon evidence of satisfactory training or experience in the treatment of statistical data.

An Educational Research and Guidance Credential may be granted, at the discretion of the Commission of Credentials, to applicants who verify five years of successful experience in the field of educational research, whose training and experience approximately fulfill the requirements established for this credential.

VIII. PRELIMINARY CERTIFICATES

Recommendations for Preliminary Special or Preliminary Regular Elementary, Junior High, or High-School Teacher's Certificates, authorizing the holder to do cadet teaching, without salary, in any school, are also granted to those enrolled for Practice in Teaching, Education 201. Application for these is made through the Director of Practice Teaching, Professor Proctor.

APPLICATION FOR A TEACHING CREDENTIAL

When any student has spent the requisite time in study at this University, and has completed the prescribed program of studies in majors and minors for the High-School Teacher's Recommendation; or the special course of study required by the School of Education and by the regulations of the state for an Elementary-School, a Junior High School, or any Special Type of Teacher's Recommendation; such student must make application early in the last quarter of residence at the University, for a Recommendation for the type of Certificate desired, and leave such application with the Secretary of the School of Education, in Room 52.

The Recommendation desired is granted only after the application has been approved by the Committee on Credentials and Degrees of the School of Education, and is then forwarded to the Commission on Credentials of the State Board of Education, at Sacramento. In due course the applicant receives a State Credential from the State Board of Education direct, upon presentation of which to any County Superintendent of Schools in California, together with diploma of graduation or any other required evidence, a Certificate will

be issued. This procedure is made necessary by a requirement of the Constitution of California that the actual Teacher's Certificate can be granted only by the counties.

Application blanks for the Administrator's and Supervisor's Credentials and other types of credentials may be obtained from the Secretary of the School of Education, but the candidates will send such application directly to the Commission on Credentials of the State Board of Education.

VOCATIONAL GUIDANCE

The Committee on Vocational Guidance is maintained for the purpose of "disseminating among students the information necessary to make an intelligent choice of a vocation and to arrange a course of study preparatory to entering the vocation chosen." In accordance with this purpose the Committee has prepared a bulletin of Vocational Information dealing with the vocations which university graduates enter, which will be mailed to any address on receipt of twenty-five cents.

The Committee has also arranged general conferences on vocations for women and has provided occasional talks on particular vocations. The University Library maintains a section of books, pamphlets, and bibliographies which are available to students who wish to make a more extended study of vocations. The Appointment Secretary is able to indicate the opportunities for employment in the various vocations.

No vocational counselor is maintained by the University, but the Committee provides individual conferences with students who indicate their wish for such assistance. The chief aim of these conferences is to refer students to the best sources of information available regarding any matters pertaining to vocations.

While a student is expected to choose a vocation before or during his course of study, the University does not attempt to give full training for this vocation. However, it is believed that one who has met the requirements for graduation from a given department and has made a wise selection of special courses, both in the major department and in other departments will have an excellent foundation for the vocation he has chosen. After graduation it may be necessary to do graduate work in another institution; or to serve as an apprentice; or to take a minor position which may ultimately lead to a permanent vocation.

APPOINTMENT OFFICE

The office of the Appointment Secretary is located on the second floor of the Administration Building in Room 170. The duties of this secretary are briefly as follows:

1. To assist students and graduates of the University to obtain permanent employment or promotion in the kind of work for which they have prepared themselves.

2. To help students of the University who are earning part or all of their own expenses to find suitable part-time employment.

3. To help students to find full-time temporary employment, whether the purpose be merely to earn money or to become more proficient in their chosen field of work.

4. To give inquiring students and graduates as accurate information as possible regarding the actual opportunities presented by the different fields of employment. The investigation which this work involves is an important feature of the Appointment Secretary's duties.

Statistics covering the work accomplished are compiled annually, and copies of these are available for other colleges and universities, and for anyone personally interested, upon request.

The Appointment Secretary aims to secure and keep on file a complete record of the education, experience, and personal qualifications of each applicant for a permanent position, to be used by prospective employers in determining whether or not the applicant is qualified for the position to be filled. In order that the statements made may be frank and reliable, they are never shown to applicants.

The University reserves the right of refusing to extend its co-operation to applicants who apply for positions for which they are manifestly unfit.

Forms for registration may be obtained of the Appointment Secretary upon request. When asking for forms it is necessary to state whether part-time, temporary, or permanent employment is wanted, and, in the case of permanent employment, whether teaching or some other profession.

Teachers must renew registration annually, preferably in January. Those desiring permanent employment other than teaching should renew their registration the first of every month—particularly the first of September, which is the beginning of the fiscal year. Those seeking part-time or temporary employment must renew registration at the beginning of each quarter. The responsibility of renewing registration is placed upon the applicant.

New students who expect to earn part or all of their expenses at the University should apply to the Appointment Secretary for registration forms as soon as possible after being assured of admission to the University.

Applicants for permanent positions are charged $1.50 at the time of registration. This sum covers the actual cost of collecting records. A small charge is also made for editing, copying, and mailing records. All classes of applicants are charged for telephone and telegraph bills incurred in their behalf. No charge is made for services rendered applicants for part-time or temporary work, and no charge is made for the securing of positions of any kind.

All communications should be addressed to The Appointment Secretary, Stanford University, California.

COURSES OF INSTRUCTION

1926–27

[*The asterisk* (*) *indicates that the course is repeated for the quarter named; otherwise courses announced for more than one quarter are continuous. Courses numbered from 1 to 99 inclusive are primarily for lower division undergraduates; from 100 to 199 inclusive, for upper division undergraduates; from 200 to 299 inclusive, for graduate students.*]

SCHOOL OF BIOLOGY

Carl Lucas Alsberg, Charles Haskell Danforth, Ernest Gale Martin (*Chairman*), George James Peirce, Edwin William Schultz, James Perrin Smith, John Otterbein Snyder, Calvin Perry Stone, Robert Eckles Swain, Charles Vincent Taylor, *Executive Committee*

The School of Biology includes the following departments or subjects within departments: Anatomy, Bacteriology and Experimental Pathology, Biochemistry, Botany, Food Research, Hopkins Marine Station, Paleontology, Physiology, Psychology, and Zoölogy. (Courses in Anatomy, Bacteriology, Biochemistry, Food Research, Paleontology, and Psychology are listed under separate headings.) Programs are offered leading to the degrees of A.B., A.M., and Ph.D. in Biology. These are supplementary to the programs offered by the various individual departments of the School.

The requirements for the A.B. degree in Biology are as follows: Sixty units of work in the Biological Sciences, so chosen that there shall be fifteen units from each of three departments of the School. Provision is made for modifying the fifteen-unit departmental requirement to the effect that upon completion of ten units in any department the student may substitute work in another department upon securing the consent of both departments concerned and of his adviser in the School. The general program must be properly approved. Students are urged to include a summer or other quarter of work at the Hopkins Marine Station. One or more college courses in mathematics will be found helpful.

Candidates for the A.M. degree in Biology must fulfill the conditions outlined in the *Graduate Study Bulletin,* including the completion of a program of advanced study in Biological Science which has been submitted to, and approved by, the Executive Committee of the School of Biology at the time of registration for the degree.

Candidates for the Ph.D. degree in Biology must fulfill the conditions outlined in the *Graduate Study Bulletin,* and must also satisfy the Executive Committee of the School of Biology that they have sufficient basic knowledge of the classification, structure, and function of both plants and animals.

GENERAL BIOLOGY

The courses in General Biology are under an Administrative Committee consisting of Professors Burlingame (Executive Director), Heath, E. G. Martin, and Peirce.

These courses attempt to present to beginners by means of lectures, illustrations, demonstrations, and laboratory exercises the fundamentals of Biology in its broadest sense. They include a study of: (1) Protoplasm, the common living substance of all plants and animals; (2) The organization of cells and their combination into multicellular organisms; (3) The rôle of green plants in the manufacture of foods; (4) The transformation of foods into the living substance of plants and animals; (5) The liberation and utilization of the chemical energy of foods; (6) The sensitivity of protoplasm and its rôle in correlating the internal processes of the organism on the one hand and relating and adjusting it to its environment on the other; (7) Disease and death of organisms; (8) The enrichment of the soil through the decomposition of organic remains and nitrogen fixation; (9) The perpetuation of the species through reproduction; (10) The laws and mechanism of heredity; (11) Evolution and adaptation of organisms; (12) The factors controlling the ecological and geographical distribution of organisms; and (13) Man's place in nature.

No prerequisites, and required of all Lower Division students who do not present a high-school equivalent. (See requirements in Biological Sciences, *Information Bulletin,* p. 121.) Nine units as follows:

1. Biology.—Lectures and laboratory.
5 units, autumn, *winter, and *spring quarters
Lec. (Burlingame, Doane, Martin, Peirce, Taylor, Wilbur) (autumn) MW 8; (winter, spring) TTh 8
Lab. (Vestal, Irving, and Assistants) MW 1–4; TTh 1–4
Autumn, 206; winter, 208; spring, 34

2. Biology.—Lectures and laboratory.
4 units, winter and *spring quarters
Lec. (Burlingame, Irving, Martin, Peirce, Taylor, Vestal) MW 8
Lab., winter (Vestal and Assistants) TTh 8–10; TTh 11, F 1–4
Winter, 170 (2 sections); spring 165

ANATOMY

Arthur William Meyer, Charles Haskell Danforth, Frank Mace McFarland, Professors
Philip Edward Smith, Clara S. Stoltenberg, Associate Professors
Earl Theron Engle, Instructor
Sophie de Aberle, Herlwyn R. Green, Assistants in Instruction
Frank C. Barrett, Ruth Camille Mermod, Helen Wetherell, Technical Assistants

REQUIRED COURSES

101. General Histology and Microscopic Anatomy.—A course dealing with the elementary structure and vital activities of the animal cell, the histology and development of the tissues, and their combination into the organs of the vertebrates, with especial reference to the Mammalia. Elementary histological technique is taught during the course. Open to medical students, and to others properly prepared, so far as laboratory space permits.
4 units, autumn and winter quarters (McFarland, Engle) Lec. by arrangement
Lab. (autumn) WThF 1:20–4:05; (winter) MT 9–12, W 1:20–4:05
Autumn, 53; winter, 52

103. Dissection of the Human Body.
20 units (Danforth, Green, Meyer, Smith) Lab. (autumn) MW 8–12, TThF 9–12, 8 units; (winter) WThFS 9–12, 5 units; (spring) MTWThF 8–11, 7 units
Autumn, 59; winter, 57; spring, 52

206. Neurology.—A study of the structure of the central nervous system of man by means of dissections and prepared slides, supplemented by dissections of the central nervous system of other mammals.
5 units, autumn quarter (Stoltenberg, de Aberle) Lec. W 8
Lab. MF 9–12, W 8–12
Autumn, 41

OPTIONAL AND ADVANCED COURSES

106. Human Heredity.—A study of the facts and problems of heredity in relation to the individual and the population as a whole. Demonstrative experiments in mammalian genetics. Elective for medical students, others by permission.
2 units, autumn quarter (Danforth) TTh 8
Autumn, 26

107. Cytology.—The course deals with the structure and functions of the animal cell with special reference to the reproductive processes. Lectures, laboratory work, and assigned reading. Open to those who have had courses in Histology, Embryology, and Microscopic Technique.
3 to 5 units, spring quarter (McFarland) [Not given in 1926–27]

108. Special Courses.—Advanced courses in Histology, Histogenesis, Microscopic Anatomy, Cytology, or Microscopic Technique will be planned to suit the needs of individual students. Open to those who have had courses in Histology and Embryology.
2 to 5 units (McFarland) By arrangement
Spring, 6

110. Anatomy of the Sense Organs.—A study of the sense organs by means of dissections and prepared slides, supplemented by models and prepared dissections.
2 to 4 units, autumn and *spring quarters (Stoltenberg)
(autumn) TTh 8–11; (spring) by arrangement
Autumn, 5; spring, 2

111. Physical Anthropology.—Practical instruction in anthropometric methods, and lectures on anatomical variation and heredity in man.
2 units (Danforth) By arrangement
Winter, 1

112. Mammalian and Human Embryology.—A course designed especially for pre-medical students. It will include a study of early development in the mouse with special reference to human embryology and the commoner human deformities.
5 units, spring quarter (Engle, Mermod, Meyer) TTh 1:05–2:05, MWF 1:05–4:05
Spring, 29

209. Topographical Anatomy.—The work consists of the laboratory study of frozen sections of fetal, infantile, and adult cadavers made in various planes, and of dissected and specially injected preparations, supplemented by models and atlases.
2 to 5 units (Meyer) By arrangement
Spring, 2

213. Investigation and Special Work.—The facilities of the laboratory are always at the disposal of properly qualified students or physicians who desire to undertake the investigation of some problem in gross or microscopic

anatomy or in embryology. This work must be arranged for individually, but may be started at any time.
(DANFORTH) By arrangement
Autumn, 2; winter, 5; spring, 3

214. Conferences in Anatomy.—Special topics are assigned for discussion two to three hours weekly. Prerequisites: Courses 101 and 103.
2 to 3 units (MEYER) [Not given in 1926–27]

Special Nursing Course.
5 units, spring quarter (MEYER) By arrangement
Spring, 3

Requirements for Advanced Degrees.—In addition to the requirements published in this bulletin and the *Announcement of the School of Medicine,* students desiring to be admitted to candidacy for the degree of Master of Arts in Anatomy must have satisfactorily completed one year's work in histology and microscopic anatomy, at least one quarter of embryology, and possess a knowledge of laboratory technique adequate for the investigation to be undertaken. For admission to candidacy for the degree of Doctor of Philosophy, a reading knowledge of both French and German is further required.

Deposit Fees.—A deposit of $2.50 for microscopes and of $10 to cover damage to or loss of bones is required of all students registering in gross and in microscopic anatomy. This sum, less charges for damage or loss, is refunded at the close of the academic year, except in the case of students discontinuing work. These may obtain the refund at the end of the quarter. Students who are not registering in medicine are charged a fee of $15 per quarter for Course 103, and $5 for each of the other laboratory courses.

BACTERIOLOGY AND EXPERIMENTAL PATHOLOGY

EDWIN WILLIAM SCHULTZ, WILFRED HAMILTON MANWARING, Professors
JOHN EDWARD BLAIR, Instructor (Autumn Quarter)
ALBERT PAUL KRUEGER, Assistant in Instruction (Summer Quarter)

1. General Bacteriology.—This course covers a variety of non-pathogenic forms, including those related to the fertility of the soil and to the dairy and other industries, as well as pathogenic forms concerned in human, animal, and plant diseases. The course is open to Lower Division students who have had General Biology and General Chemistry.
5 units, winter quarter (SCHULTZ) Lec. MWF 1; Lab. MWF 2–4
6 units, summer quarter (SCHULTZ, KRUEGER) MWF 11
Winter, 10; summer, 15

101. Sanitary Bacteriology.—Lectures and demonstrations covering the more important pathogenic bacteria, with special reference to sanitation and preventive medicine. Primarily for non-medical students, such as engineers, nurses, social workers, and those desiring general information in this field. The course should be accompanied, or followed by Course 102. Prerequisites: General Biology and General Chemistry.
3 units, spring quarter (SCHULTZ) MWF 11
Spring, 65

102. Sanitary Bacteriology.—Laboratory work covering the ground outlined under Course 101. A portion of the time is devoted to the examination

of water supplies and to the bacteriology and mycology of foods. Limited to 50 students.
3 units, spring quarter (SCHULTZ) MWF 1–4
Spring, 14

103. Media, Stains, Reagents.—A course in the preparation of media, stains, and reagents. The students work with the technical assistants. Limited to two students.
2 units, spring and summer quarters (SCHULTZ) By arrangement
Spring, 2; summer, 1

201. Medical Bacteriology.—A course devoted chiefly to the pathogenic bacteria, with emphasis on the laboratory procedures employed in the diagnosis of bacterial infections. Prerequisites: Chemistry 127, Physiology 103, Anatomy 112, or equivalents. Course limited to 68 students.
9 units, autumn quarter (SCHULTZ, BLAIR, and assistants)
Lec. MTWThF 1; Lab. MTWThF 2–4
Autumn, 49

203. Principles of Immunity.—Introductory lectures on immunity and serologic methods. Must be preceded or accompanied by Course 201.
2 units, autumn quarter (BLAIR) TTh 8
Autumn, 14

204. Serology.—A laboratory study of antitoxins, bacteriolysins, hemolysins, agglutinins, precipitins, opsonins, complement deviation, anaphylaxis, etc. Must be preceded or accompanied by Course 203.
5 units, summer quarter (SCHULTZ) By arrangement
Summer 2

209. Journal Club.—A study of current literature in bacteriology and immunology, with weekly conferences.
2 units, any quarter (SCHULTZ) F 4
Autumn, 6; winter, 8; spring, 7

210. Advanced Work, Research.—Qualified students may begin research at any time. The student must present at least the equivalent of Course 201.
5 to 10 units, any quarter (DEPARTMENT FACULTY) By arrangement
Autumn, 7 (2 groups); winter, 10 (2 groups); spring, 9 (2 groups); summer, 8 (3 groups)

Fees.—Courses 201, 204, $20 each; Courses 1, 102, $5 each. Students pay for breakage and animals used.

Lower Division Prerequisites.—The completion of the following Lower Division courses, or their equivalents: Physics 1, 2, 3, 20; Chemistry 10, 11, 12 (or 1, 2, 3), 20; Biology 1, 2; Anatomy 112; Bacteriology 1; reading knowledge of German or French.

Recommended Departmental Curriculum.—Third year: Chemistry 127, 141, 142, 143, 144; Physiology 103; Bacteriology 102; Anatomy 101. Fourth year: Bacteriology 201, 203, 204, 209, 210; Chemistry 121, 123, or equivalents.

Advanced Degrees.—Applicants for the degree of Master of Arts in Bacteriology and Experimental Pathology will be expected to complete, in addition to the requirements for the Bachelor's degree, the equivalent of forty-five units' work in the University, of which approximately two-thirds must be in the department. The department work will include a thesis based on laboratory work, and Courses 201, 203, 204, and 209, if not included in the undergraduate work.

Candidates for the degree of Doctor of Philosophy in Bacteriology and Experimental Pathology, after the completion of the equivalent of the requirements for the degree of Master of Arts, will follow such courses as are approved by the department, subject to general University regulations.

BIOLOGY

LAURENCE B. BECKING, LEONAS LANCELOT BURLINGAME, CHARLES VINCENT TAYLOR, Professors
ARTHUR GIBSON VESTAL, Assistant Professor
HELEN LOIS DALE, HOWARD C. DAY, EARL W. ESCHER, FRED KLYVER, JR., CARL BRANDT WOLF, EOLA CLAIRE WOOLLEY, Assistants

10. Field Biology.—Designed to fill the need for an acquaintance with plants and animals as they occur in their normal surroundings, and as they influence one another. Examination of organisms in the wide range of habitats available in the vicinity of Stanford University, with instruction in methods of field study, of collecting, and of identification. Limited to eighteen students.
2 or 3 units, spring quarter (VESTAL) MT 1–4
Spring, 13

100. Technique.—Laboratory exercises in the preparation of biological materials. Opportunity for such general and special training as may be needed by the individual student will be provided. Consultation with the instructor before registering is required.
Autumn quarter (BURLINGAME, and others) By arrangement
Autumn, 9

150. Genetics.—Lectures on inheritance in plants, animals, and man. Prerequisite: General Biology, or equivalent.
3 units, spring quarter (BURLINGAME) MWF 10
Spring, 27

151. Plant Breeding.—Garden and laboratory work illustrative of the principles and practices underlying the propagation and improvement of plants. Prerequisite: General Biology, Biology 150, or equivalents.
2 units, spring quarter (BURLINGAME) [Not given in 1926–27]

152. Problems in Genetics and Plant Breeding.—This course offers an opportunity to continue advanced work along the lines of Course 151.
Any quarter (BURLINGAME) By arrangement
Autumn, 1

160. The Biology of Protoplasm.—An account of the fundamental architecture of protoplasm, its elementary physico-chemical and physiological properties and the differentiation and integration of its diverse structures having specific functions. Laboratory work will include microscopic studies of living material, chiefly Protozoa, with the aid of improved micromanipulation methods.
5 units, winter and spring quarters (TAYLOR)
Winter, 12; spring, 1

161. Economic Botany.—A general survey of the subject, chiefly dealing with the more general aspects of a technical study of plant foodstuffs, fibers, wood, drugs, dyes, poisons, spices, resin, rubber, etc. The laboratory work includes some standard methods of microscopical and microchemical analysis of economic plant products. Prerequisites: 9 units of Chemistry and one laboratory course in Biology.
5 units, winter quarter (BECKING) [Not given in 1926–27]

162. Elementary Limnology.—Designed especially for sanitary engineers, health officers, physicians, and biochemists. Regular methods of plankton analysis, determination of the significant properties of water in relation to plants and animals, visits to ponds, water supplies, etc. Whipple's *Micro-*

scopy of Drinking Water will be used as a guide. One lecture, one laboratory period, one field trip each week.
3 units, autumn quarter (BECKING, PEIRCE) TTh forenoons; field work by arrangement
Autumn, 12

163. Ecology: Environmental Relations.—Lectures on aspects of general ecology: (1) The environment, physical factors, natural habitats; (2) Environmental characters of the organism (adaptations) in structure, physiology, behavior, and life history; (3) Relations to other organisms, antagonistic, symbiotic, and social; (4) Communities of organisms, and their development; (5) Distribution of species and of communities. Illustrative laboratory and field work, with individual study of a local community or group.
3 to 5 units, spring quarter (VESTAL) MWF 1–4
Spring, 2

170. Cytology.—Reading, conferences, and laboratory exercises on the structure of the cell. Especial attention will be given to the structure and behavior of the nucleus with especial reference to its function in heredity.
5 units, winter quarter (BURLINGAME) MTWThF 10–12
Winter, 8

171. Human Heredity.—A review of the facts and problems of heredity in relation to the individual and to the population as a whole.
2 units, autumn quarter (DANFORTH) TTh 8
Autumn, 26

201. Economic Botany: Special Problems.—To meet the requirements of the individual student who wishes to carry out advanced work in this line as a major in Botany, Chemistry, Economics, or Civil Engineering (lumber).
(BECKING) [Not given in 1926–27]

202. Physiology of the Cell.
5 units, autumn quarter (BECKING) [Not given in 1926–27]

203. Research: Ecology.—Research in ecological relations of local plant or animal communities, or of particular groups of organisms.
Winter, spring, and summer quarters (VESTAL) By arrangement
Winter, 3; spring, 3; summer, 2

240. Research: Physiology of the Cell.
(BECKING) [Not given in 1926–27]

250. Research in Cytology and Genetics.—For students who wish to undertake original work in genetics or cytology. Prerequisites are an adequate training in biology and such special courses as the nature of the work makes necessary.
Any quarter (BURLINGAME) By arrangement
Autumn, 1; winter, 2; spring, 4

260. Research: Biology of Protoplasm.
(TAYLOR) By arrangement
Autumn, 1; winter, 4

[Teachers' Course in Biology.—See Education 201.]

BOTANY

Douglas Houghton Campbell, Professor Emeritus

George James Peirce, LeRoy Abrams, Gilbert Morgan Smith, Professors
Sidney Fay Blake, Acting Professor (Summer Quarter)
James Ira Wilson McMurphy, Associate Professor
William Austin Cannon, Samuel Bonsall Parish, William Franklin Wight, Lecturers
(With the co-operation of Professors Becking and Burlingame and Assistant Professor Vestal, of the Division of Biology.)

The Department of Botany aims to provide instruction for two classes of students: (*a*) Students who wish to know something of the structures, life processes, relationships, and uses of plants, and to gain some familiarity with the methods of scientific work; and (*b*) Professional students who look forward to investigation, teaching, or the technical applications of Botany in Plant Breeding, Forestry, Agriculture, Horticulture, Plant Pathology, Sanitation, and Public Health. Courses 100 and 101, which present the elements of the more important divisions of botanical study, are designed to meet the needs of both groups of students. Courses 110, 111, 112, 113, 114, 120, 121, 130, 140, 141, 150, 151, 153, 161 are open to students who have had Courses 100 and 101, or the equivalent. It is the aim of these courses to give the student, by means of lectures and references to the literature, a general and summary account of the present state of knowledge, and in the laboratory and the field to afford him an opportunity for a personal acquaintance with plants themselves. Students who have had two or more years' work may, after consultation, be registered in Courses 122, 131, 142, 152, 201. The resources of the department afford exceptional opportunity for investigation in a number of fields. Properly qualified students desiring to undertake such investigation should register in Courses 210, 220, 230, 240, 250, after consultation with the instructor concerned.

Major students in the department will be expected to complete sixty units in the department, and five units in Zoölogy. The sixty units should include Courses 100, 101, 110, 111 or 112, 113 or 114, 120 or 121, 130, 140 or 141.

The Teacher's Recommendation in the University is based on the satisfactory completion of a minimum of two majors, or one major and two minors. A minor in Botany consists of Elementary Botany (Courses 100, 101) and one advanced course, chosen from the following: 110, 111, 112, 113, 114, 120, 130, 140, 141. A major must include the following: Elementary Botany (100, 101), General Fungi (120), General Morphology (110, 111, 112, 113, 114), Systematic Botany (130), Physiology (140 or 141), a total of 35 units.

Students looking to Forestry or Agriculture as a profession should include Courses 120, 130, 140, 141, 153 as part of their preparation, and the following subjects in other departments: elementary physics, chemistry, geology and physiography, zoölogy, entomology, economics, and applied mathematics. They should also be able to read French and German.

Fees are charged in the various courses approximately sufficient to cover the cost of the perishable materials and syllabus used, as follows: Courses 100, 101, 110, 111, 112, 113, 114, 122, 131, 152, 161, 201, 202, 250, $3.00 each;

Courses 120, 121, 140, 141, 142, $5.00 each; 150, $1.00; Courses 151, 160, $1.00 per unit, each; 162, $6.

[**General Biology.**—See Biology 1, 2, p. 156.]

1. Elementary Botany.—
5 units, summer quarter (Blake) MTWThF 1:05–3:45
Summer, 12

100. Elementary Botany.—This course is designed to present a comprehensive view of the entire plant kingdom from the lowest to the highest. Prerequisites: Biology 1 and 2.
3 units, autumn and winter quarters (Smith, McMurphy, and assistants) MWF 1:05–3:45
Autumn, 15; winter, 12

101. Systematic and Field Botany.—An elementary course dealing with the classification and ecology of the flowering plants. Weekly excursions will be made to points of botanical interest, where life conditions will be observed and material obtained for further study and classification in the laboratory.
3 units, spring quarter (Abrams, Peirce) Lec. W 1:05; Field and Lab. MT or ThF 1:05–3:45
Spring, 23

110. Morphology of the Algae.—Lectures and laboratory work on the morphology and classification of the Algae.
5 units, summer quarter (Smith) [Not given in 1926–27]

111. Morphology of the Bryophytes.—Lectures and laboratory work on the special morphology and classification of the Bryophytes. Prerequisite: Course 100.
5 units, winter quarter (Smith) [Not given in 1926–27]

112. Morphology of the Pteridophytes.—Lectures and laboratory work on the special morphology and classification of the Pteridophytes. Prerequisite: Course 100.
5 units, spring quarter (Smith) [Not given in 1926–27]

113. Morphology of the Gymnosperms.—Lectures and laboratory work on the general morphology and anatomy of the Gymnosperms. Prerequisite: Course 100.
5 units, winter quarter (Smith)
Winter, 3

114. Morphology of the Angiosperms.—Lectures and laboratory work on the general morphology and anatomy of Angiosperms. Prerequisite: Course 100.
5 units, spring quarter (Smith) MTWThF 8–11
Spring, 4

115. Special Morphology.
(Smith) By arrangement
Autumn, 2

120. General Fungi.—Lectures and laboratory work on the morphology and classification of Fungi. Prerequisite: Course 100.
5 units, winter quarter (McMurphy) MTWThF 1:05
Winter, 4

121. Plant Pathology.—Lectures, laboratory, and field work on fungous and other plant diseases. Open only to students who have had Course 120 or its equivalent.
5 units, spring quarter (McMurphy) Lec.-Lab. MTWThF 1:05–3:45
Spring, 2

122. Advanced Plant Pathology.—Field and laboratory work on special diseases.
(McMurphy) By arrangement
Autumn, 2; winter, 1; spring, 1

130. Geographical Distribution and Forest Botany.—Study of the trees and shrubs, and the principles of geographical distribution which they illustrate. The laboratory work will be supplemented by work in the field and in the Arboretum. Prerequisite: Course 101 or its equivalent.
5 units, autumn quarter (ABRAMS, VESTAL) Lec. W 1:30; Lab. and Field Work MTThF 1:30–4
Autumn, 6

131. Advanced Systematic Botany.—Special problems in taxonomy and geographical distribution, with reference to methods of investigation. This course is intended primarily as preliminary training for research work in systematic botany.
(ABRAMS, BLAKE) By arrangement
Autumn, 4; winter, 5; spring, 3; summer, 7

140. Experimental Plant Physiology.—The production and use of foods. Lectures, laboratory work, and reading. Knowledge of the elements of physics and chemistry is essential.
5 units, autumn quarter (PEIRCE) Lec. TTh 9; Lab. MWF 8–10
Autumn, 10

141. Experimental Plant Physiology.—Lectures, laboratory work, and reading. Knowledge of the elements of physics and chemistry is essential.
5 units, winter quarter (PEIRCE) Lec. TTh 9; Lab. MWF 8–10
Winter, 9

142. Advanced Physiology.—Experimental study of a single problem by one or more individuals. Prerequisites: Courses 140 and 141, or their equivalents.
Spring quarter (PEIRCE) By arrangement
Spring, 6

210. Research in Morphology.—Students desiring to do original investigation in morphology must have had adequate training in the appropriate courses in special morphology or their equivalents.
(SMITH) By arrangement
Autumn, 1; winter, 2

220. Research in Plant Pathology.
(MCMURPHY) By arrangement

230. Research in Taxonomy and Geographical Distribution.
(ABRAMS) By arrangement
Autumn, 3; winter, 4; spring, 4

240. Research in Physiology.
(PEIRCE) By arrangement
Autumn, 2; spring, 1

[**Genetics.**—See Biology 150.]

[**Plant Breeding.**—See Biology 151.]

[**Problems in Genetics and Plant Breeding.**—See Biology 152.]

[**Cytology and Technique.**—See Biology 100, 160, and 170.]

[**Economic Botany.**—See Biology 161.]

[**Elementary Limnology.**—See Biology 162.]

[**Ecology: Environmental Relations.**—See Biology 163.]

[**Economic Botany: Special Problems.**—See Biology 201.]

[**Physiology of the Cell.**—See Biology 202.]

[**Research in Cytology and Genetics.**—See Biology 250.]

SUMMER QUARTERS

In 1928, and during each summer quarter thereafter, it is expected that work will be offered at the Hopkins Marine Station on the Algae, of both fresh and salt water; and either at the Hopkins Marine Station or at the University, or at both places, the following courses:

Taxonomy of Seed Plants

The Physiology of Plants (if at the Hopkins Station, with especial reference to aquatics)

Research in Morphology and Physiology.

HOPKINS MARINE STATION

Walter Kenrick Fisher, Director
Charles Vincent Taylor, Associate Director
Harold Heath, Professor
James Ira Wilson McMurphy, Associate Professor
Gordon Floyd Ferris, Assistant Professor
Tage Skogsberg, Instructor
James Eric Lynch, Acting Instructor
Arthur Russell Moore, Lecturer (Summer Quarter)
Lot Duncan Howard, Assistant in Zoölogy

The Hopkins Marine Station is situated at Pacific Grove, on the south side of Monterey Bay, California. The ground area comprises seven and a half acres, consisting of the main portion of Cabrillo Point, with complete control of the coast line of the Point and including an excellent sheltered landing place and harbor for boats.

The present building, erected in 1917, is of reinforced concrete construction, approximately forty feet by eighty-three feet, and three stories in height. The first floor provides a physiological laboratory, containing a large floor aquarium and a table for small aquaria; a concrete-floored room for the storage of boats, collecting apparatus, etc.; a storeroom, furnace room, photographic darkroom, and two research rooms.

The second floor, into which the main entrance opens, is devoted to the three large general laboratories. Two private laboratories for instructors are also provided on this floor. The third floor contains a large library, with a generous fireplace, an adjoining office room, an advanced laboratory, and seven private laboratories for investigators. Fresh and salt water are provided in each laboratory, the sea water being pumped to a concrete tank upon the roof, whence it is distributed to the various aquarium tables. Heating is provided by a hot-air system, and electric lights and gas are installed. From the third floor a stairway gives access to the flat, parapeted roof.

There are thus five laboratories available for classes and eleven private laboratories for investigators. A second, two-story concrete building to be used for experimental biology is in the course of construction.

The Station fulfills a twofold purpose: first, it provides for research in biology; second, it furnishes, under exceptional natural advantages, elementary and advanced instruction in biology.

The Station is open the entire year. Investigators and special students can be accommodated at any time. Regular classes are scheduled for the spring and summer quarters only.

ADMISSION AND FEE

Candidates for admission should make application to the Director, Hopkins Marine Station, Pacific Grove. The application should state whether first-year, advanced, or graduate standing is desired, and in which of the following classes the candidate expects to register:

Class A. Special workers not expecting formal credit and not candidates for degrees.

Class B. Assigned students from institutions which have agreed to accept work completed at the Station in fulfillment of their requirements.

Class C. Fully matriculated students in Stanford University.

(For detailed information regarding procedure and credentials necessary for admission, see the *Announcement of the Hopkins Marine Station.*)

A General Fee of $75 per quarter is payable by all undergraduate students taking regular courses or pursuing special work, and a similar fee of $50 is payable by all graduate students. Owing to limited laboratory space, reservation should be made in advance by payment of $10 of the General Fee. The balance is payable on registration day at the Station.

Late registration is permitted only with the approval of the Director and of the instructors concerned.

Students are not accepted for half-quarter registration in any except graduate courses.

COURSES OF INSTRUCTION

Winter Quarter, 1927

Formal courses are not offered. Work in Zoölogy for Graduate, Independent Study Plan, or Upper Division students is supervised by Professors Fisher and Heath (equivalent of Courses 542 and 580).

Spring Quarter, 1927

510. Marine Zoölogy.—An introduction to the principles of general zoölogy as these are illustrated by the animals of Monterey Bay. Limited to fourteen students.

5 units (Skogsberg) Three forenoons per week
Spring, 8

515. Vertebrate Zoölogy.—A study of the structure, relationships, and natural history of the larger groups of aquatic vertebrates. Limited to fourteen students.

5 units (Lynch) Three afternoons per week
Spring, 11

540. Marine Invertebrates.—An advanced course dealing with anatomy, classification, and development in certain groups of marine invertebrates. Continued during summer quarter as 541; credit given for either course alone. Open only to students who have had practice in dissection and laboratory methods. See course 541, Summer Quarter. Limited to twelve students.

5 units (Fisher) Three forenoons per week
Spring, 5

542. The Invertebrates.—Independent work of a special character, for undergraduates, on one species, or a group, with reference to morphology, development, classification, or natural history. May be taken in connection with Courses 515, 540, 550.
(Fisher, Heath, Skogsberg) Credit and hours by arrangement
Spring, 2

550. Vertebrate Embryology.—See same course, Summer Quarter.
5 units (Heath) Three forenoons per week
Spring, 12

580. Research in Zoölogy.—The original investigation of problems connected with the development, structure, and natural history of invertebrates.
(Fisher, Heath, Skogsberg) Credit and hours by arrangement
Spring, 2

Summer Quarter, 1927

(Registration, June 21; instruction begins June 22; instruction ends August 20; students not accepted for half-quarter registration except in graduate work.)

511. Marine Zoölogy.—The object of this course is to give the student the widest possible acquaintance with the animals which live along shore and in the plankton of Monterey Bay. The prescribed work will also include a study of the associations of animals, their distribution, and something of their behavior, or simple reactions. May be undertaken by beginning students. Limited to fourteen students.
5 units (Ferris) MWF forenoons
Summer, 12

515. Vertebrate Zoölogy.—See same course, Spring Quarter.
5 units (Howard) Three afternoons per week
Summer, 3

521. Marine Algae.—Lectures, readings, and laboratory work on the morphology and classification of the marine algae. Particular attention will be given to the Red and Brown algae of the Pacific Coast. Limited to fourteen students.
5 units (McMurphy) By arrangement
Summer, 11

539. Adanced Physiology of Marine Organisms.—In this course each student will undertake, under guidance of an instructor, to solve by his own efforts one or more problems in the physiology of marine organisms, either plant or animal. The problems assigned will be of an advanced character, involving the use of standard methods of chemical and physiological research. Only students with adequate training in biology, chemistry, or physics will be enrolled.

The aim of the course is to introduce students to the physiological problems presented by marine organisms and to familiarize them with the technique by which such problems may be attacked. Frequent informal conferences will be held at which the data secured by individual students will be discussed by the class and by the instructing staff.

To indicate the general character of the work a few representative problems are given here:

Coagulation of crustacean blood
Oxygen dissociation curve of hemocyanin
Buffer action and carbon dioxid-carrying power of crabs' blood

Influence of hydrogen-ion concentration on ciliary activity
Turgescence in medusae
Gas content of swim-bladders of fishes
Salt equilibria in brine-inhabiting organisms

Students capable of carrying on research work under guidance will be allowed the widest range practicable in the selection of problems.
5 units (Moore) [Not given in 1926–27]

541. Marine Invertebrates.—An advanced course dealing with anatomy, classification, and development in certain groups of marine invertebrates. Same as Course 540, spring quarter, but covering a different set of phyla. The two courses, 540 and 541, are arranged to include all the larger groups of marine invertebrates. Either course may be taken without the other. Limited to twelve students.
5 units (Fisher, Skogsberg) MWF forenoons
Summer, 10

542. The Invertebrates.—Independent work of a special character, for undergraduates, on one species, or a group, with reference to morphology, development, classification, or natural history. May be taken in connection with Courses 541, 545, 550.
(Fisher, Heath, Skogsberg) Credit and hours by arrangement
Summer, 2

545. Biology of the Protozoa.—The morphology, physiology, and natural history of marine protozoa. Limited to fourteen students.
5 units (Taylor) By arrangement
Summer, 15

550. Vertebrate Embryology.—A study of the early history of the germ layers in the starfish, followed by a detailed study of the early development of the salamander and mouse. Limited to fourteen students.
5 units (Heath) TThS forenoons
Summer, 17

580. Research in Zoölogy.—The original investigation of problems connected with the development, structure, and natural history of invertebrates.
(Fisher, Heath, Skogsberg, Taylor) Credit by arrangement
Summer, 7

590. Research in Plant Morphology.—Students desiring to do original investigation in morphology must have adequate training in appropriate courses in morphology.
(McMurphy) Credit and hours by arrangement
Summer 1

Courses 510 or 511, 515, and 550 will count toward the requirements in Biology for those desiring to register in Medicine. Courses 511 or 541, 521, 545, and 550 may be taken together. Courses 510 or 511, 540 or 541, and 550 are major requirements in the Department of Zoölogy.

PHYSIOLOGY

Oliver Peebles Jenkins, Professor Emeritus

Ernest Gale Martin, Professor
John James Rickard Macleod (University of Toronto), Exchange Professor (Winter Quarter)
James Rollin Slonaker, Frank Walter Weymouth, Associate Professors
James Percy Baumberger, Laurence Irving, George Daniel Shafer, Assistant Professors
John Field II, Victor Ernest Hall, Acting Instructors

101. Elementary Physiology.—The structure and functions of the body with especial reference to the mechanisms of external adaptation, namely, muscles, nervous system, and sense organs. Designed primarily for students who are not looking forward to the study of Medicine. Intended to impart a general conception of the relationship of the human body to its environment. Textbook: *The Human Body,* Martin, Advanced Course, Eleventh Edition. Open to upper-division students and to lower-division students who have had college courses in Biology and Chemistry.

5 units, autumn quarter (Shafer) Lec. MWF 10; Lab. ThF 1:05–4:05
Autumn, 28

101S. Elementary Lectures.—A lecture course open to qualified students. The subject matter of Course 101 is covered. Textbook: *The Human Body,* Martin, Advanced Course, Eleventh Edition. Given only in alternate years.

3 units, summer quarter, first term (Shafer) MTWThF 9
Summer, 15

102. Elementary Physiology.—The structure and functions of the body with especial reference to maintenance, growth, and energy liberation. In this course, special attention will be paid to circulation, digestion, excretion, and metabolism. Although designed to offer in connection with Course 1 a survey of the field of human physiology, this course is planned so that it may be taken independently of Course 1. Textbook: *The Human Body,* Martin, Advanced Course, Eleventh Edition. Requirements for admission the same as for Course 101.

5 units, winter quarter (Shafer) Lec. MWF 10; Lab. MT 1:05–4:05
Winter, 22

102S. Elementary Lectures.—A course covering the subject matter of Course 102. Given in alternate years.

3 units, summer quarter, first term (Shafer) [Not given in 1926–27]

103. Principles of Physiology.—An advanced study of the fundamental principles of physiology. The field is surveyed from the standpoint of the functioning of single cells and of multicellular organisms. An especial effort is made to familiarize the student with basic phenomena and their interpretation. The course serves primarily as a preparation for Courses 104 and 105, but is designed to meet the needs of advanced students who desire a general survey of the field and are unable to devote the time required for taking Courses 103, 104, and 105. Required of majors in the department. Prerequisites for majors: eighteen units of Biology, including Histology; Physics 1, 2, and 20, or their equivalents; Chemistry up to and including Biochemistry. Advanced students of other departments presenting less than these prerequisites may be admitted on recommendation of their

major departments provided their previous training is of a character to enable them to take the course with profit; it is desirable that such training include Biology and Elementary Chemistry.

5 units, winter quarter (Macleod, Baumberger, Field, Hall) Lec. MWF 8; Lab. ThF 1:05–4:05

Winter, 68

104. Physiology of Maintenance.—The detailed application to man of the general principles developed in Course 103, so far as they relate to bodily maintenance. The laboratory work will be based, as far as possible, on mammals, including the human body itself. Required of majors in the department. Prerequisite: Course 103.

4 units, spring quarter (Martin, Baumberger, Field, Hall) Lec. TTh 11; Lab. WF 1:05–4:05

Spring, 53

105. Physiology of External Adjustment.—The detailed application of the principles developed in Course 103 to the mechanisms by which in mammals and man the organism is adjusted to its environment; thus comprising a study of the sense organs, the nervous system, and the motor apparatus. Prerequisites as in Course 103 with Physics 3 in addition. Advanced students of other departments may be admitted on the terms stated under Course 103 provided they present such work in the anatomy of the nervous system and sense organs as will enable them to profit by the course. Required of majors in the department.

5 or 6 units, spring quarter (Weymouth, Field) Lec. MWF 11; Lab. TW or ThF 1:05–4:05

Spring, 54

110. Physiology of Arthropods.—Special problems involving laboratory work, using insects or other Arthropods as material. Prerequisite: one of Courses 103, 109, 509, or equivalent.

Any quarter (Baumberger, Shafer, Weymouth) [Not given in 1926–27]

206. Journal Club.—A study of physiological literature, with oral and written reports. Required of majors in the department during two quarters.

1 unit, autumn, winter, and spring quarters (Weymouth) By arrangement

Autumn, 2; winter, 3; spring, 3

207. Special Physiology.—An advanced non-laboratory course open to students who have had one of Courses 103, 104, or 105. Designed to afford opportunity for the further study of selected subjects in Physiology. The work will be planned for the individual student.

1 to 5 units, any quarter (Department Faculty) By arrangement

Autumn, 1; spring, 3 (2 groups)

208. Research in Physiology.—Special problems involving laboratory work.

(Department Faculty) By arrangement

Autumn, 1; winter, 1; spring, 1; summer, 4

Students will be recommended for the degree of Bachelor of Arts by the Department of Physiology who have fulfilled the requirements for admission to the Stanford School of Medicine, have taken Courses 103, 104, 105, and two units of Course 206 within the department, or equivalent courses elsewhere, ten additional units either within the department, or in the departments of Anatomy or Bacteriology, and lecture and laboratory courses in biochemistry to the amount required by the Stanford School of Medicine. Anatomy 101 (Histology) is a prerequisite, also, and cannot be counted toward the ten additional units mentioned above as optional from the Department of Anatomy.

The preliminary requirements of the Stanford School of Medicine are: Fifteen quarter units of college biology (General Biology, Comparative Anatomy, and Embryology usually offered); general chemistry, quantitative analysis, lecture course in organic chemistry (22 units of chemistry); twelve quarter units of college physics; nine quarter units of college English; a reading knowledge of either French or German.

Students who have completed the work of the Lower Division will be admitted as majors in the department, but, to satisfy without serious schedule difficulties the departmental requirements within the regularly allotted six quarters, they will find it advantageous to have taken as much as possible of the required preparatory science while still in the Lower Division.

The departmental requirement for students looking forward to Medicine is designed to enable them to cover the required pre-medical subjects and the work of the first year in the Medical Department of this University, or to fit them to undertake to advantage the work of other first-class medical schools.

In addition to those majors looking forward to Medicine, provision is also made for such as are interested primarily in Physiology as a preparation for teaching or research, or as a phase of biological training.

The laboratory and library facilities not only provide for the proper teaching of the scheduled courses but afford profitable opportunity for research along special lines—notably general physiology (for which the facilities of the Hopkins Marine Station are available); sense physiology (particularly vision) in man; mammalian physiology; and growth.

The Teacher's Recommendation.—Programs are offered for students seeking the teacher's recommendation as follows: Teaching major: Elementary Chemistry; Biology, 18 units, including either Comparative Anatomy, Vertebrate Embryology, or Histology; Physiology, 14 units (Courses 103, 104, and 105).

Teaching minor: Elementary Chemistry; Biology, 9 units (Courses 1 and 2); Physiology, 10 units (Courses 101 and 102).

COURSES AT HOPKINS MARINE STATION

509. Elementary Physiology of Marine Organisms.
5 units, summer quarter (Irving) [Not given in 1926–27]

539. Advanced Physiology of Marine Organisms.
5 units, summer quarter [Not given in 1926–27]

PUBLIC HEALTH NURSING

Karl Bühler, Acting Professor of Psychology
Kate Gordon, Acting Associate Professor of Psychology
Louis Olsen, Instructor in Public Health
Flora May Fearing, Acting Instructor in Public Health Nursing

Public Health 1: Health Department Administration.—This course consists of lectures on the activities, organization, and powers of public health departments, supplemented by laboratory and field work.
2 units, summer quarter (Olsen) MW 1:05–2:05
Summer, 17

[**Elementary Sociology.**—See Economics 2.]

[**Quantitative Studies in Politics and Administration.**—See Political Science 119*a*.]

[**General Psychology.**—See Psychology 51.]

ZOOLOGY

CHARLES HENRY GILBERT, GEORGE CLINTON PRICE, Professors Emeritus

JOHN OTTERBEIN SNYDER, RENNIE WILBUR DOANE, WALTER KENRICK FISHER, HAROLD HEATH, CHARLES VINCENT TAYLOR (Biology), Professors

MARY ISABEL MCCRACKEN, Associate Professor

GORDON FLOYD FERRIS, EDWIN CHAPIN STARKS, Assistant Professors

[Courses 1 and 2 in General Biology will precede all courses in Zoölogy. Courses 1, 2, 5, and 6 may be taken without previous preparation in Zoölogy.]

1. General Zoölogy.—An introduction to the natural history, morphology and physiology of animal life. Lectures, laboratory, and field work. This course is prerequisite to all other courses in the department except where otherwise stated.

5 units, autumn quarter (TAYLOR) MTWThF afternoons
Autumn, 32

[See also its equivalent, Marine Zoölogy (Zoölogy 510), under Hopkins Marine Station.]

2. The Vertebrates.—A general course in the classification of vertebrate animals, with studies in their habits and the geographical distribution of species. The course is largely devoted to birds. It includes field excursions, and observations of live animals in the laboratory. Open to all students.

5 units, winter and spring quarters (SNYDER) MTWThF 1:15–3:45
Winter, 3; spring, 18

3. Arthropod Zoölogy.—A general survey of the arthropoda as an introduction to the study of insects.

5 units, autumn and winter quarters (FERRIS) MTWThF forenoons
Autumn, 3; winter, 17

4. Comparative Anatomy of the Vertebrates.—A detailed examination of vertebrate morphology, including dissection of representatives of the several classes of vertebrates, with comparative studies in vertebrate osteology, the nervous and circulatory systems. (See also Course 104 under Hopkins Marine Station.)

5 units, winter and spring quarters (STARKS) MTWThF afternoons
Winter, 40; spring, 22

5. General Entomology and Insect Adaptations.—A course of lectures and demonstrations. Open to all students.

2 units, autumn quarter (DOANE) Lec. TTh 9
Autumn, 74

6. Insects and Disease.—A discussion of the insects that cause or disseminate some of the diseases in man and the domestic animals. Lectures and demonstrations. Open to all students.

2 units, winter quarter (DOANE) TTh 9
Winter, 149

7. Classification of Insects.—This course includes laboratory and field work, and is intended to give the student a basic knowledge of the local insect fauna and its relation to its environment, and to acquaint him with the methods and principles of systematic entomology.

5 units, spring quarter (McCracken) Forenoons by arrangement
Spring, 39

8. Morphology of Insects.—A study of insect structures and their significance, involving an introduction to the technical methods of the entomologist.

5 units, autumn quarter (McCracken) Forenoons by arrangement
Autumn, 15

102. Economic Entomology: Forest Insects.—A study of the insect enemies of forest and shade trees. The course includes field, laboratory, and bibliographic work. Prerequisite: Course 7.

3 units, autumn quarter (Doane) MWF afternoons
Autumn, 3

103. Economic Entomology: Orchard and Garden Insects.—A study of the principal injurious and beneficial insects of the orchard and garden. Includes field, laboratory, and bibliographic work, and occasional lectures. Prerequisite: Course 7.

3 units, spring quarter (Doane) MWF afternoons
Spring, 7

104. Mammalian Anatomy.—A detailed study of one or more systems of organs of the cat. To be preceded by Course 4.

5 units, autumn and spring quarters (Starks) MTWThF afternoons
Autumn, 2; spring, 4

105. Vertebrate Zoölogy.—Special studies for advanced students in the fields of herpetology, ornithology, or mammalogy; practice in museum methods, in field observations, and in the collection and preparation of specimens with data.

2 to 5 units, autumn, winter, or spring quarters (Snyder) By arrangement
Autumn, 6; winter, 4; spring, 4

[**Protoplasm.**—See Biology 160.]

107. Principles of Nomenclature.—A series of lectures dealing with the principles of biological nomenclature and intended to meet the needs of students from any of the biological departments.

1 unit, spring quarter (Ferris)
Spring, 8

108. Animal Genetics.—Discussion and demonstrations of the principles of heredity underlying modern practices in improvement of animals.

2 units, autumn quarter (McCracken) Lec. TTh 11
Autumn, 16

109. Special Problems in Economic Entomology.—The student is here given an opportunity to make a more or less detailed study of some insect or group of insects of economic importance. Field, laboratory, and bibliographic work are included.

3 to 5 units, autumn, winter, and spring quarters (Doane) By arrangement
Autumn, 2; winter, 1; spring, 7

110. Special Problems in Systematic Entomology.—Studies in the structure and classification of certain groups of insects, as the mallophaga, coccidae, and anoplura.

3 to 5 units, autumn, winter, and spring quarters (Ferris) By arrangement
Autumn, 1; winter, 7; spring, 7

111. Special Courses.

a) Primitive chordates; a study of Amphioxus, the tunicates and the lampreys.

b) Comparative osteology; modifications of the vertebrate skeleton.

c) The fishes; special problems in the morphology of fishes, or in the review and classification of groups of West Coast fishes.

These courses are arranged to meet the needs of students who are qualified to carry on independent work.

3 to 5 units, autumn quarter (STARKS) By arrangement
Autumn, 2

112. Ichthyology.—An introduction to problems relating to the life history of fishes, the discrimination of species, or a critical examination of some group.

3 to 5 units, autumn, winter, and spring quarters (SNYDER) By arrangement
Autumn, 4; winter, 5; spring, 4

113. Special Problems in the Life History, Morphology, or Taxonomy of Insects.—An introduction to research methods in the field of entomology. Problems are assigned with reference to the student's special interest or fitness.

3 to 5 units, autumn, winter, or spring quarters (MCCRACKEN) By arrangement
Autumn, 4; winter, 8; spring, 6

114. Bionomics.—A survey of facts and principles bearing upon organic evolution. Primarily for advanced students. Assigned reading and reports.

2 units, winter quarter (TAYLOR) Lec. TTh 11
Winter, 16

115. Journal Club.—Open to senior and graduate students.

2 units, autumn and winter quarters (SNYDER) By arrangement
Autumn, 14; winter, 15

201. Research.—Prosecution of special studies by advanced and graduate students. The work may be done either at the University or at the Hopkins Marine Station.

(MEMBERS OF THE DEPARTMENT) By arrangement
Autumn, 4 (2 groups); winter, 11 (4 groups); spring, 11 (4 groups); summer, 1

The content of the courses above is carefully planned, yet it is so flexible as to place no limit on the student of ability, and in most cases the needs of individuals are considered.

Before graduation in Zoölogy, students must complete Courses 1, 2, 4, 7, 115 (4 units), and 541 and 550 at the Hopkins Marine Station, or satisfactory substitutes, together with at least 15 units of advanced elective work in the department, and also an elementary course in either Botany, Physiology, or Chemistry. Before graduation, a student is expected to have a reading knowledge of French or German. It will be noted that the requirement involves enrollment for one quarter at the Hopkins Marine Station.

The Teacher's Recommendation.—The Department recommendation for a teacher's certificate in Zoölogy requires the following courses: (Zoölogy as a major) 1, 2, 4, 7, and 541 and 550 at the Hopkins Marine Station, or satisfactory substitutes, and one elective course of 5 units; (Zoölogy as a minor) 1, 2, 7, and 4, or 541 or 550 at the Hopkins Marine Station, or satisfactory equivalents.

Majors in Biology who elect Zoölogy as a minor, will be required to complete Zoölogy 1, and certain other courses amounting to 15 units in all.

Students who look forward to the study of medicine may take Zoölogy for their major subject and receive the degree of Bachelor of Arts at the close of a four years' course which shall also contain the first year in medicine. Twenty units of work in the department will be required of such

students, including Courses 1, 4, 9, and electives, preferably Course 104 or 115.

THE ZOÖLOGICAL COLLECTIONS

The Natural History Museum contains a very full representation of the fishes of North America, and includes among others a valuable series of the deep-water fishes of the Pacific, and large collections from the West Indies, the Hawaiian Islands, Bering Sea, Japan, the coasts of Mexico and Central America, and the Galápagos Islands. The museum contains also a large representation of the reptiles, batrachians, birds, and mammals of California and adjoining states. The collection of marine invertebrates is rich in Pacific echinoderms and crustacea, and contains a good working nucleus in the other principal groups. The series of deep-sea forms is especially valuable.

The constantly growing entomological collections contain authoritatively named specimens, accessible for comparison, in all of the orders of insects. The Hymenoptera, Lepidoptera, Diptera, Coccidae, Mallophaga, and Anoplura are especially well represented. In addition to the systematic collections, there are large series illustrating the development, habits, and adaptations of insects, particularly those of economic importance.

A small experimental orchard and an apiary and a lathhouse also add to the opportunities to do practical outside work.

Laboratory Fees.—Courses 1, 3, 4, 8, 9, 104, each $5.00; 2, 7, 102, 103, 105, 106, 109, 110, 111, 112, 113, each $3.00; 5, 6, 114, each $.50.

GRADUATE SCHOOL OF BUSINESS

Willard Eugene Hotchkiss, Dean
George William Dowrie, Paul E. Holden, J. Hugh Jackson, Eliot Grinnell Mears, Edward Kellogg Strong, Jr., Professors
Victor H. Pelz, Associate Professor
Lillian C. Owen, Secretary

PREPARATION

Persons who have completed a four-year course in an approved college or university professional school may become candidates for admission. Those students are given preference whose previous record has shown the most evidence of promise.

College students who are looking forward to becoming candidates for admission to the Graduate School of Business are advised to shape their undergraduate course so as to secure grasp of scientific method and a well-rounded appreciation of life. It is desirable that undergraduate study should include laboratory science, both biological and physical, language and literature, history, social and economic science. Students should have learned how to reason accurately with the relatively exact data of such subjects as mathematics and laboratory science and with the more contingent data of the several social sciences. Some work in statistics and elementary accounting is desirable. Applicants for admission must show ability to use correct and effective English.

During the first year of work in the Graduate School of Business a minimum amount of time, not to exceed one-fourth of the total time available for study, is set aside for desirable adjustments to the student's previous education.

The work of the School is addressed to selected graduate students, and it is expected that their previous training will have prepared them to work under suitable direction with a large degree of independence in dealing with the business materials with which the course of study will be concerned.

COURSE OF STUDY

Completion of a course in the Graduate School of Business will require a minimum of two years' full-time study. Such portion of the student's time as the School may direct may be spent away from the campus in supervised study or practice in connection with some specific business. Students whose progress is sufficiently rapid to enable them to complete their work in the minimum time will usually spend six quarters in residence.

The course throughout emphasizes the unity of management problems; different divisions of the subject such as production, sales, merchandising, finance, will be considered as parts of a continuous and unified process and not as activities complete in themselves. The first year features those principles of management that are of general application and the analysis of basic conditions that determine the success of business enterprises.

Without sacrificing an orderly and systematic allotment of the students' time, effort is made as far as possible to avoid an unduly mechanical organization of work. Students are judged more according to the effectiveness

with which they are able to deal with problems than on the basis of grades or units of credit. To the extent that seems desirable in order to economize time, they are brought together in classes or groups; but the work is as far as possible individual, and advancement depends on the capacity and the effort of the particular student. The nature of the subject-matter covered during the first year is substantially the same for all students.

DEGREES

Master of Business Administration

The degree of Master of Business Administration will be conferred, upon the recommendation of the Committee on Graduate Study, when the student has satisfied the requirements laid down by the faculty of the Graduate School of Business.

Doctor of Philosophy

Students whom the faculty deem qualified to undertake independent, scientific research in business, and who are preparing for teaching or research positions, may become candidates for the degree of Doctor of Philosophy. Candidates for this degree will conform to the general requirements as set forth on pages 143–45.

EXPLANATION OF SCHEDULE

First Year

Supplementing Previous Education.—Normally, one-fourth of the student's time during his first year may be made available for supplementing his previous education. Students who have not had enough work in economics, statistics, accounting, finance, or psychology to enable them to handle business problems in which these subjects are involved are expected to utilize this time in making up deficiencies in these fields. For students whose undergraduate work has been highly specialized, the time made available under this caption is utilized for college study of a more general nature. Elections are made with the approval of the faculty.

Introductory Accounting.—Emphasis is laid upon the fundamental and universal principles that accountants must constantly use in their work. Such principles are also fundamental to the business manager who is to get the most out of the work of the accountant. The development of the bookkeeping mechanism, the principles of labor-saving devices and of accounting controls, and the preparation of statements of various kinds constitute the work of the quarter. The course aims to develop the subject as a tool of analysis and control, rather than as a technical specialty.

Autumn quarter (Jackson) . . . By arrangement
Autumn, 10

Geographical Aspects of Business.—Business problems as influenced by such factors as population, climate, soil, water supply, fuels, natural resources, proximity to markets, transportation, and labor supply. Emphasis on agricultural conditions, water supply, power, location, ocean transportation, and other local factors affecting business on the Pacific Coast.

Autumn quarter (Mears) . . . By arrangement
Autumn, 10

Psychological Approach to Business.—Business as a process of adjusting human relations. Relationships of the executive with his subordinates, his

co-equals, and superiors; with customers, investors, and the general public. Includes the psychology of selling and advertising, determination of what others want, how to meet their demands, and methods of measuring the success of the resulting business policies.

Spring quarter (STRONG) By arrangement
Spring, 29

Scientific and Technical Foundations of Business.—Scientific and engineering features of administration. Place of technology in business management. Technical aspects of problems of financing, valuation, selection, operation and management of plant equipment.

Autumn quarter (HOLDEN) By arrangement
Autumn, 10

Economic and Statistical Analysis.—Analysis of economic factors that affect business policy and practice, with emphasis on development of power to pick out and evaluate significant elements involved in general problems of management, such as adjustment of production to raw materials, markets, transportation, tariffs, financial conditions, the business cycle, and other economic factors affecting cost, profits, and business stability.

Winter and spring quarters (DOWRIE) By arrangement
Winter, 10; spring, 11

Principles of Organization and Management (Two Quarters).—The purpose of this study is to give students an accurate grasp of current economic and legal concepts and understanding of basic principles of management. Significance and scope of specialization, standardization, simplification, planning. Scientific management. Relation of general and divisional executives to functional and departmental activities. The meaning of business policy.

Autumn and winter quarters (PELZ) By arrangement
Autumn, 10; winter, 9

Financial and Accounting Approach to Management (Two Quarters).—The first half of this course consists of a survey of the factors that should determine financial policies, such as the amount of investment needed, character of security issues, requisite working capital, establishment and support of lines of credit, and dividend and investment policies.

The second half of the course covers problems of interdepartmental relations, stock control, and budgetary control of financial and operating matters.

A knowledge of elementary accounting and statistics is assumed, but these subjects are regarded as tools of analysis and control rather than as technical specialties.

Winter and spring quarters (JACKSON) By arrangement
Winter, 12; spring, 7

[**Law and Public Policy.**—Consideration of basic legal concepts, and principles governing legal responsibility for business transactions. Unfair practices and restraint of trade. Fundamentals of public policy toward business. —See Law 101*c*.]

Collateral Study.—In connection with, or in addition to, work pursued and problems analyzed during the first year it is expected that students will familiarize themselves with elementary principles, applicable to the chief functional divisions of business, and cover with reasonable thoroughness the scientific literature of the subject. Later study of the functional division of business and of particular specialties will assume that students have already secured this elementary knowledge of the subject.

Second Year

Merchandising, Marketing, and Sales Management.—The problems of the second year involves substantial mastery of marketing, advertising, and sales technique. Students devote considerable time to the problems connected with the marketing of Pacific Coast products, especially agricultural products, and to the problems of international trade.

Winter and spring quarters (Mears, Pelz, Strong) By arrangement
Winter, 2; spring, 2

Industrial Management.—Problems involving the fundamentals of production management, industrial relations, factory personnel administration. Balancing production with sales. Stabilizing employment.

Winter and spring quarters (Holden) By arrangement
Winter, 2; spring, 2

Business Policy.—The purpose of this work is to co-ordinate the chief results of previous study and to furnish training in bringing different management factors within the scope of unified policy. Individual work under the problem method.

Summer quarter (Hotchkiss, and Others) By arrangement
Summer, 2

Work in Special Field.—Substantially one-third of the student's time during the second year is available for specialization. Each student, after choosing his field of specialization, works under the personal supervision and direction of appropriate members of the faculty. Students are expected to carry on this special study with a large degree of independence, and with marked excellence. Comparative freedom is permitted in the selection of this work, which may be elected in one of the chief functional fields of business, or may be chosen so that it will cut across two or more of them.

Winter, spring, and summer quarters (School Faculty)
Winter, 2; spring, 2; summer, 2

Supervised Field Work in Business.—Completion of a course in the Graduate School of Business involves performance in a responsible position acceptable both to the executives of the particular business and to the authorities of the School. In some cases students who have had business experience before entering the Graduate School may be able to satisfy this requirement by work during some one quarter, usually following their first year of residence. In most cases, however, further service in business is necessary, the length of such service depending on the proficiency of the student and the opportunities which his position offers for applying the principles covered in his previous study.

SCHOOL OF EDUCATION

The purpose of the School of Education is to enable the University to meet the legitimate demands of the state in the matter of the preparation, training, and certification of teachers and school officers. The faculty of the School is composed of the faculty of the Department of Education, together with representatives from other departments concerned with the preparation of teachers for the junior high schools and secondary schools; and the faculty of the School has outlined courses for preparation in both majors and minors which will lead to certification as teachers. A special announcement of the School, giving details as to its organization, requirements, and programs of study, will be mailed on request.

Of this School, the faculty of the Department of Education proper constitutes one division, and the faculty of the Division of Graphic Art another division.

DEPARTMENT OF EDUCATION

ELLWOOD PATTERSON CUBBERLEY, JOHN CONRAD ALMACK, TRUMAN LEE KELLEY, JESSE BRUNDAGE SEARS, Professors

[LEWIS MADISON TERMAN, Professor of Psychology]

AUBREY A. DOUGLASS (Pomona College), FREDERICK M. HUNTER (Superintendent of Schools, Oakland), J. HAROLD WILLIAMS (University of California, Southern Branch), Acting Professors (Summer Quarter)

PERCY ERWIN DAVIDSON, WILLIAM MARTIN PROCTOR, Associate Professors

[CALVIN P. STONE, Associate Professor of Psychology]

HAROLD R. BENJAMIN (University of Oregon), WALTER CROSBY EELLS (Whitman College), HAROLD S. TUTTLE (University of Oregon), Acting Associate Professors (Summer Quarter)

[MAUD AMANDA MERRILL, Assistant Professor of Psychology]

GEORGE EARL FREELAND, Lecturer in Elementary Education

HAROLD R. BENJAMIN, Supervisor of Practice Teaching

SOPHIA CRAMER, WALTER CROSBY EELLS, LINA JACOB, LEONA HADLEY MCCULLY, RUTH PRESTON, Instructors in Teachers' Methods Courses

MARION A. BROWN, WALTER RAY HEPNER (Superintendent of Schools, Fresno), SALLIE HILL, LEONA HADLEY MCCULLY, EDITH B. PATTEE, CLARENCE ROBERT STONE, MILES ALBERT TINKER, CHARLES RALPH TUPPER, Acting Assistant Professors (Summer Quarter)

EDWIN JOHN BROWN, JAMES FREDERICK BURSCH, Teaching Fellows in School Administration

MILTON B. JENSEN, MILES ALBERT TINKER, Assistants in Instruction

VAAL STARK, Assistant in Girl Scout Leadership

SUE DYER, Teaching Assistant in Girl Scout Leadership (Summer Quarter)

DOROTHY PUTNAM, Secretary of the Department and of the School of Education

MARGARET S. WELLS, Department Librarian

The Department of Education offers eight main lines of work:

1. Courses of a general nature on the history, theory, function, financing, and administration of public education, intended in part as information

courses for the general university student and without reference to the work of teaching.

2. Courses intended to assist other departments in preparing their students for certification to teach in schools in California. All such students should confer with members of the Department of Education as to courses, but, in general, Courses 132, 133, and 180 are recommended, if the candidate has not had experience in teaching. Courses 155, 160, and 190 are required for the elementary certificate, with Course 194 added for the junior high-school certificate. Course 195 is required of all candidates for the high-school teacher's recommendation, under the regulations of the California State Board of Education, as are Courses 199 and 200, if the candidate has not had previous experience in teaching. Courses 155, 160, 198 or 199, and 200 are also required for all forms of California certificates. A teachers' methods course (201–218) is expected to be included when such is offered in the subject which the student expects to be recommended to teach. No Education courses will be counted toward the teacher's certificate which are below a C grade. (For a more detailed statement, see the *Announcement of the School of Education.*)

3. A course of training leading to the elementary certificate in California and the degree of Bachelor of Arts for those university students who desire to prepare for work in the elementary schools. This course builds on to the Lower Division requirements, and students who expect to prepare for such certification should make their major in Education at the beginning of the junior year. For a statement as to this course, see below.

4. An Upper Division course leading to the Bachelor's degree in Education, and intended for those expecting to do further work in Education. Teachers of experience, and graduates of normal schools, teachers' colleges, and other teacher-training institutions, will be accepted as major students in Education when they have attained to at least junior standing. Others, lacking such experience or training, may be accepted as major students, each case being considered separately.

5. Five major courses, each leading to the high-school teacher's certificate and degree of Master of Arts in Education, and offering preparation along the following lines:

a) History and Theory of Education. Intended for those desiring a general acquaintance with educational history and theory.

b) High-School Teacher. Intended for those taking a Master's degree under the faculty of the School of Education, and who have had no teaching experience.

c) High-School Administration. Intended for those preparing for work as a high-school principal.

d) Administration of Education. Intended for those preparing for executive work in education as principal or superintendent of schools.

e) Educational Research. Intended for those preparing to become directors of research in public school systems.

Each such major curriculum requires the completion of 45 units of more or less advanced work in the Department of Education; and the completion of some one of the five curricula is expected of those qualifying for the Master's degree and the high-school teacher's recommendation in Education. (For an outline of each curriculum, see the *Announcement of the School of Education.*)

6. Courses primarily for major students in graduate standing, or those

making Education a minor for the degree of Doctor of Philosophy, and intended to give special preparation to: (*a*) those who desire to become teachers of Education in normal schools or colleges, (*b*) those who desire to prepare to direct research work in training schools and public school systems, (*c*) those who wish to prepare for supervisory or administrative positions in the public schools, elementary or secondary, and (*d*) those who wish to prepare for special educational work in the elementary or secondary field. (See 4 above.)

7. Courses and research work, given in connection with the Department of Psychology, in the psychology and pedagogy of exceptional children. Two lines of work are offered in this field: (*a*) elementary courses designed to give prospective superintendents and principals a general acquaintance with the problems of special education, and (*b*) research courses for the advanced student who looks forward to work as clinical psychologist in the public schools or institutions for defectives or delinquents. The Dr. C. Annette Buckel Foundation, supplemented by additional support from the Board of Trustees of the University, has provided for a "research fellowship in the psychology and pedagogy of backward children." A "research fellowship in the study of exceptional children" has also been provided. (See Department of Psychology.)

8. Courses for the preparation of teachers of drawing for the public schools, and for the general training of college students in artistic perception and graphic expression. (See Division of Graphic Art.) Students may enroll as prospective majors in this division, beginning with the freshman year.

MAJOR REQUIREMENTS

Undergraduate Work.—Major students begin their work in Education with the junior year, and will be classified under one or the other of the two following groups:

1. Elementary Certificate A.B. Course.—Intended for those who expect to begin teaching in the elementary schools after receiving the degree of Bachelor of Arts.

This course involves the following:

a) Completion of the Lower Division requirements. These call for certain group requirements, parts of which may be satisfied with high-school credits, and include: English composition (6 units), a foreign language, literature, biology (9 units), physics or chemistry (9 units), American and general history (9 units each), the university citizenship course (12 units), and six quarters of physical training. A few other subjects may be offered in satisfaction of these requirements.

b) The elementary certificate student must also include some work in Graphic Art, and, unless possessed of good voice control and enunciation, in public speaking also.

c) The course in the Constitution of the United States (History 175 or an equivalent) is required of all candidates for a teacher's certificate, as is a course in General Psychology (Psychology 51).

d) At least fifteen units of university credit must be obtained, in at least three of the following lines of work—English, language, graphic art, history, economics, mathematics, physical sciences, biological sciences, and general science—to meet the state requirements for certification.

e) At least 38 units of work in the Department of Education, distributed approximately as follows, and completed with C grade or above:

Junior year—15 units.

132. Introduction to Education, 5 units, autumn quarter.
133. Principles of Education, winter quarter, 5 units.
190. Elementary Education, spring quarter, 3 units.
198. Technique of Teaching, spring quarter, 2 units.

Senior year—23 units.

180. History of Education in United States, autumn quarter, 3 units.
160. Education for Citizenship, winter quarter, 3 units.
168. Growth and Development of Child, winter quarter, 3 units.
155. The California School System, spring quarter, 3 units.
153. Elements of Measurement, spring quarter, 5 units.
200. Practice in Teaching, first or second half-year, 6 units.

2. Regular Education A.B. Course.—Intended for students who expect to graduate in Education, and to proceed to the Master's degree in one of the five major courses listed under 5, above.

This course involves the completion of 38 units of work in the Department of Education, substantially as given for the preceding course, except that experience in teaching will be assumed and Courses 198 and 200 will not be included, a substitution will be allowed for 190, and Course 153 need not be taken if Courses 185 and 186 are to be taken later on. In addition, Course 165 must be taken. The remaining units are elective, except that Courses 199, 200, and 201–18 cannot be offered as part of the required hours. Psychology 51 is required as collateral work, and should precede Course 165.

For graduation the student must also satisfy the requirements of two teaching minors in the School of Education and outside the department. In certain cases one teaching major will be accepted in place of two teaching minors. (See *Announcement of the School of Education* for list of teaching majors and minors.)

Students coming with advanced or graduate standing from other universities may have substantially equivalent training accepted in lieu of the courses and the major and minor work required here. Students entering in graduate standing, who have had considerable and satisfactory experience in teaching or in school administration, may be given certain credit to apply on undergraduate requirements, the amount to be determined in each case after entering the University.

First Graduate Year; A.M. Degree.—The requirements for the baccalaureate degree cover only introductions to Education, and those proposing to offer themselves for responsible positions in educational work will be expected to proceed at once to the Master's degree. For this at least forty-five units of work will be required. Of this amount at least thirty units must be in courses in Education in advance of the baccalaureate requirements, together with the presentation of a satisfactory thesis, which may count for five of the thirty, and the satisfaction of the requirements for one of the teaching majors offered in Education will be required. Work listed below Course 175 ordinarily will not be included, and ordinarily one-half of the thirty units must be work listed above Course 220. The completion of the first year of graduate study should mean a somewhat general acquaintance with the different fields of Education, together with the beginnings of specialization in some one or two of these. Those who desire to prepare prop-

erly for the type of positions indicated under 6 or 7 should proceed to the doctorate.

Candidates for the Master's degree must file an application, approved by the department, with the Registrar not later than the third week of the second quarter of study for the degree.

Second Graduate Year.—By the end of the second year of graduate study the student will be expected to have attained a mastery of the literature and practice in three of the following divisions of the subject: (1) History of Education, European and American, (2) Theory and Practice of Elementary Education, (3) Theory and Practice of Secondary Education, (4) Organization and Administration of Education, (5) Educational Psychology and Theory. Elementary Statistical Theory will be included in 4 and 5. Students intending to proceed to the doctorate, either at once or later, may select one of these divisions as a major and one as a minor, and by the end of the second year of graduate study should also have completed in large part the required work in a second minor, outside of the department; should be able to satisfy the modern language requirements (German and French); should be well started on the dissertation; and should be ready for the department and University preliminary examinations.

Any student may do two or more years of graduate work in Education, following the same courses as degree candidates, but without becoming a candidate for the Ph.D. degree.

Candidacy for the Ph.D. Degree.—The minimum residence requirement for the degree is three years beyond the A.B. degree, of which at least the last year must be spent at Stanford. Neither the time element nor the number of courses completed will be considered as acceptable unless the candidate also demonstrates the ability to do intensive work and to carry through an original research in a highly creditable manner. Evidence of broad general knowledge and training also will be expected, as well as technical preparation in major and minor subjects.

Students who expect to take the degree of Doctor of Philosophy with a major or minor in Education are urged to complete their requirements at as early an age as possible, preferably before 35. It is contrary to the policy of the department to accept candidates for a major or minor in Education who have passed the age of 40. Exceptions to this rule will only be made in the case of applicants of outstanding ability and superior academic training.

All who desire to proceed to the doctorate in Education will be expected to file a petition for candidacy, approved by the department, with the Registrar (ordinarily during the first quarter of the second year), and to pass an oral or a written departmental test, or both, in three of the five divisions of the field, as given above. Each candidate will be expected to take the intelligence examination given by the University before filing a petition for candidacy. These departmental tests will extend beyond the range of the courses offered, and will involve a knowledge of the literature and practice in each field. Only those passing these tests, to the satisfaction of the department faculty, will be considered as fully accepted candidates for the Ph.D. degree, and as such be recommended to the Dean of Graduate Study for the further preliminary examinations for candidacy given by a special examining committee of the faculty, as required by the University regulations as to graduate study.

The University preliminary examinations for candidacy take place before

a special examining committee, appointed for each candidate, at the end of the second year of graduate study, or at the latest at the beginning of the third year; they are quite extended in scope and time (three hours); and are intended to cover the candidate's general education and his special preparation in his major and minor subjects.

Third Graduate Year.—The final year will be devoted largely to personal investigation along the lines of the thesis subject, under the direction of the member or members of the department in charge. The thesis "must be the result of independent work, and must in some way add to or otherwise modify what was previously known on the subject." The final examination is before a special University committee, and is mainly on the special field of the thesis.

Requirements for a Ph.D. Minor.—Unless otherwise arranged, candidates for the Ph.D. degree in other departments, who elect a minor in Education, will be expected, in addition to offering evidence of practical experience in teaching, or school administration, to complete 45 units of work in Education in courses numbered above 174 (half of the work should be in courses listed above 220), and ordinarily to offer such courses along not more than three of the divisions of the field of Education given above.

The University offers no correspondence or extension courses, and all work for degrees must be registered residence work.

LIBRARY AND PRACTICAL FACILITIES

The general University Library contains the important recent books, files of the more important educational magazines, both American and foreign, and a collection of early American educational magazines and reports. The special library of the department, consisting of about 8,000 volumes, contains one of the most complete collections of American state and city school reports to be found in the United States, the library ranking probably third in this respect. It is also rich in old college and normal school catalogues and textbooks, of much historical value. The collection of old and present-day school textbooks is also large and valuable.

In practical facilities the department has good working connections with the State Teachers' College at San Jose, and with the public schools of the immediate vicinity. For more important studies by advanced students the large city school systems in the vicinity of the University can usually be made available.

The department also has good working connections with the Department of Psychology, by means of which laboratory facilities for research are fully available to all who need them.

The following outline describes the courses that will be offered during the coming academic year. Additional courses will be provided for the summer quarter.

I. INTRODUCTORY COURSES IN EDUCATION

110. Girl Scout Training Course.—A practical course of training in the principles and practices of girl scout leadership.

2 units, winter and *summer quarters (STARK, DYER) TTh 1:30–3
Winter, 12; summer, 6

111. Girl Scout Leadership.—A continuation of the preceding course, with troop work, readings, and discussion of work.

2 units (STARK) [Not given in 1926–27]

132. Introduction to the Study of Education.—A general introduction to the field of education, giving a preliminary survey of the theories and general principles, and a study of typical phases of the organization and administration of public education, with a view to presenting such a body of information relating to the work of our public schools as the citizen and the teacher ought to have, and at the same time making the course an introduction to the various fields of education. Lectures, following a text, and assigned readings and reports.

5 units, autumn quarter (BURSCH) MTWThF 10
Autumn, 32

133. Principles of Education.—An introduction to a philosophy of education, construed as an integrated view of the conditions and purposes of educational effort; biological infancy, human endowment and culture, education in relation to the problems of social progress and conservation. Lectures, following a syllabus, with assigned readings.

5 units, winter quarter (DAVIDSON) MTWThF 10
Winter, 34

140. Intellectual Education and School Reform.—Superstition, credulity and irrational belief; propaganda; educational practice and policies for the cultivation of reflective thinking; intellectual motivation; interests: their nature, origin, and growth; the relation of interests and abilities, etc. The outstanding examples of school reform will be considered.

5 units, spring quarter (DAVIDSON) MTWThF 11
Spring, 25

142. Education and Character.—A study of the significance for education of the psychology of character. Growth and character; types and individual differences; principles of training; educative agencies.

5 units, winter quarter (DAVIDSON) MTWThF 11
Winter, 9

153. The Elements of Measurement.—A general introductory course in educational measurements, and the elements of statistics and graphics. Intended for those preparing for the elementary field, and for the student who desires to obtain an elementary knowledge of the measurement movement. Should not be taken by students who expect later to take Courses 185 and 186.

5 units, spring quarter (JENSEN) MTWThF 10
Spring, 17

155. The California School System.—A study of the structure, organization, and administration of the California school system, as given in the School Law of the state, and as interpreted by the rulings of the State Board of Education, the Attorney-General, and the California courts. Intended to give to prospective teachers a conception of the historical development and the main features of the California school system. A required course for the Teacher's Certificate in California.

3 units, spring quarter (CUBBERLEY) TWTh 4
3 units, *summer quarter, first term (HEPNER) MTWThF 10
Spring, 98; summer, 99

160. Education for Citizenship.—An analysis of the ideals and habits essential for good citizenship, followed by a study of the part which each school subject and activity contributes to their development, the problem of civic education in the public schools, the place and work of the teacher in preparing young people for citizenship, how to put the school on a civic basis, and the methods and materials that may advantageously be used in training for citizenship. A teachers' course in aims, methods, and materials,

rather than a subject-matter course in civics. Required of all candidates for a Teacher's Certificate in California.

3 units, winter quarter (ALMACK) MWF 9
3 units, *summer quarter, first term (HEPNER) MTWThF 8
Winter, 76; summer, 102

165. Educational Psychology, Introductory.—A general introductory course intended primarily for teachers and undergraduate students. Lectures, demonstrations. Prerequisite: Course 51 or the equivalent.

6 units, autumn quarter (STONE, FARNSWORTH) Lectures MWF 11
6 units, *summer quarter (STONE, WEAVER) Laboratory MW 1–4
Autumn, 35; summer, 23

168. Growth and Development of the Child.—A study of the mental and physical growth and development of the school child, with special emphasis on physical development and the physical basis of education, the general laws of growth, physical defects, educational hygiene, the health of the school child, and preventive mental hygiene.

3 units, winter quarter (TINKER) MWF 11
3 units, *summer quarter, first term (TINKER) MTWThF 1
Winter, 21; summer, 57

170. Mental Deficiency and Delinquency.—The physical and mental traits of the feeble-minded; heredity; medical types; psychological diagnosis; the conduct of special classes, etc. The course involves visitation of institutions for defectives, observation of special cases, and demonstration tests. A part of the work is necessarily done away from the University.

3 units, summer quarter (MERRILL) MWF 9
Summer, 23

172. Juvenile Problems in Education.—A study of the extent, causes, and prevention of juvenile delinquency, mental deficiency, and other social irregularities related to the work of the public schools and state institutions. Special attention is given to the recent juvenile research developments in California, and to the newer methods of dealing with exceptional children.

3 units, summer quarter, first term [Not given in 1926–27]

173. Psychology and Treatment of Exceptional Children.—A study of bright and dull children. Prerequisite: Course 51.

3 units (MERRILL) [Not given in 1926–27]

174. Rural Education.—A study of the social and economic factors involved in the development of rural institutional life; how these explain the present status of the larger administrative and supervisory problems of rural education; and the principles and practical methods essential to the solution of these problems.

3 units, summer quarter [Not given in 1926–27]

175. Principles of Education, Advanced.—A study of the biological and psychological principles underlying modern education, in connection with the demands of modern society in a complex social, economic, and scientific world, with the view to the formulation of a working philosophy for the educational process. Class discussion, following the study of a text, supplemented by relevant statistical data.

5 units, summer quarter (DAVIDSON) MTWThF 10
Summer, 34

176. Silent and Oral Reading.—This course deals with the underlying science of reading; objectives of reading instruction, and principles of classification and method; specific aims, materials, and methods by periods in the elementary and secondary schools; plans for developing effective reading and study habits in other subjects; measurement, diagnosis, and remedial

instruction. A practical course for teachers, principals, supervisors, and superintendents.

3 units, summer quarter (C. R. STONE) MWF 9
Summer, 24

177. Investigations in Writing and Spelling.—This course consists of a review of significant scientific studies relating to writing and spelling with application to problems of materials and methods.

2 units, summer quarter (C. R. STONE) TTh 9
Summer, 11

180. History of Education in America.—A study of the evolution of American educational ideals and practices, with special reference to the origin and development of those features of our present-day practices which are most characteristically American. Lectures, following a text, assigned readings, and the investigation of an assigned topic.

3 units, autumn quarter (ALMACK) MWF 9
3 units, *summer quarter, first term (ALMACK) MTWThF 8
Autumn, 43; summer, 54

182. History of Education.—A study of the evolution of our educational traditions and practices, beginning with the Greek and Roman periods, with the chief emphasis placed on the foundations that underlie and the forces that have produced our Western civilization, and have resulted in the creation of modern national school system. The chief emphasis is placed on origins and on the eighteenth- and nineteenth-century forces which have so profoundly modified life and education.

5 units, summer quarter (CUBBERLEY) [Not given in 1926–27]

184. Graphic Methods of Presenting Facts.—This course is designed to give practice in the methods which are serviceable in the popular portrayal of statistical data. In addition to graphic presentation, some attention is devoted to a consideration of the merits of various tabular arrangements of material and to desirable methods of school publicity. There are no prerequisites to the course, but a knowledge of lettering is desirable. Intended primarily to show prospective school officers how best to display statistical facts.

2 or 3 units, summer quarter (TUPPER) MWF 1
Summer, 15

185. Elementary Statistical Methods.—A study is made of the various kinds of statistical series and the properties of each. The purpose of the first part of the course is to discover what constitutes the significant features of a body of data. Opportunity to obtain practice in the computation of the important constants of distributions is given; also in the use of calculating machines and other aids to computation. The approach is inductive, starting with measures and having as its object the discovery of the statistical resources which are available for making data reveal their story. Psychology 60 may be accepted instead of this course.

4 units, autumn quarter (KELLEY) MTThF 8
4 units, *summer quarter (EELLS) MTThF 8
Autumn, 156; summer, 65

186. Administration and Interpretation of Educational Tests and Measurements.—An introductory course dealing with the detailed problems of administration and scoring of Educational Tests and Scales and with the simpler problems of interpretation. No previous experience in Educational or Mental Measurements or Statistical Methods is presupposed.

4 units, autumn quarter (KELLEY) MTThF 10
4 units, *summer quarter (WILLIAMS) MTThF 10
Autumn, 25; summer, 44

188. Mental Tests.—An introductory course dealing with the principles and applications of intelligence tests and of methods of testing personality and character traits. Lectures and demonstrations. Psychology 51, and a course in statistical method must accompany or precede.
5 units, summer quarter (MERRILL) MTWThF 11
Summer, 32

189. Intelligence Tests.—An introductory course, dealing with the technique of intelligence testing, with emphasis on Binet procedure, tests, and practical applications. Prerequisites: Psychology 51, and either Psychology 60 or Education 185.
4 units, autumn quarter (MERRILL) MTWTh 1–3
Autumn, 8

II. TEACHER-TRAINING COURSES

190. Principles of Elementary Education.—The aim, work, function, and attainable goals of the elementary school as a part of the American system of education, and its specific problems in relation to the community and the other parts of the school system. An introductory course, intended for those without much acquaintance with elementary school work, and primarily designed to meet the State Board of Education requirement for the Elementary Certificate.
3 units, spring quarter (FREELAND) MWF 3
Spring, 21

194. The Junior High School.—A study of the nature and functions of the junior high school; its aims, purposes, and objectives; its organization, curriculum, and methods of instruction; the objectives and functions of the subject-matter; and the social programs employed. Methods of instruction in, administration of, and types of buildings are also considered. Intended primarily for those who are candidates for Junior High School Certificates, or who expect to become supervising principals.
3 units, winter quarter (PROCTOR) MWF 8
3 units, *summer quarter, first term (TUTTLE) MTWThF 4
Winter, 98; summer, 44

195. Principles of Secondary Education.—A course dealing with the aims, purposes, and underlying principles of secondary education, intended for those preparing to teach in secondary schools, and required of all candidates for the California high-school recommendation. Detailed consideration is given to the current subdivisions of secondary education, such as the junior high school (under the 6-2-4 or the 6-3-3 plans); the three-year, four-year, and six-year high school; and also the junior college under the 6-3-3-2, the 6-2-4-2, and the 6-4-4 plans of operation. Open to seniors and graduate students only.
3 units, autumn and *spring quarters (PROCTOR) MWF 8
3 units, *summer quarter, first term (BENJAMIN) MTWThF 3
Autumn, 71; spring, 58; summer, 89

198. The Technique of Teaching.—The aims and objectives of education, working conditions, types of learning, and the general technique of elementary school organization, instruction, and control. Intended as a course in the method and management of instruction for those preparing for the elementary field, and should be taken in the junior year.
2 units, spring quarter (ALMACK) TTh 9
Spring, 13

199. Methods and Management of Instruction.—A practical course in the methods and management of secondary instruction. The psychology of

the high-school subjects is considered, and opportunity for directed observation of expert secondary instruction is given. This course is intended to be a preparation for practice teaching, and should be taken before Course 200.
2 units, autumn and *spring quarters (BENJAMIN) TTh 8
Autumn, 54; spring, 66

200. Practice Teaching.—Practice in the handling of classes and the giving of instruction, with accompanying conferences, six units of credit in such work being required of all inexperienced teachers, by the rules of the State Board of Education, for a California High School Teacher's Recommendation. This may be arranged for at the University, at the State Teachers College, San Jose, or at any state normal school in California. Those who desire to do practice teaching should secure from Professor Proctor a blank form of application for a practice-teaching position, and fill out and file the same during the quarter preceding the one in which they desire to fulfill their practice-teaching requirement. Prospective cadet teachers should confer in advance with Professor Proctor. Conference with all practice teachers required each week. Prerequisites: six to ten units of work in Education, including Courses 195, 199 for secondary school teaching, and 190 and 198 for elementary certificate candidates, together with graduate standing. A teachers' course in a major or a minor subject (Courses 201–218) should be taken at approximately the same time. For good reason, with permission, seniors may be admitted to the work.
3 units, autumn, *winter, *spring, and *summer quarters (PROCTOR, BENJAMIN) Conference M 4:05–5
Autumn, 39; winter, 86; (2 sections); spring, 51; summer, 3

III. TEACHERS' METHODS COURSES

These courses are intended for students preparing to teach special subjects in the secondary schools, and are offered in connection with the practice-teaching work to students preparing in the teaching majors or minors, as described in the *Announcement of the School of Education.* At least one of these courses is required, if one is offered in connection with either the major or the minor subject in which preparation is made, and the course is supposed to precede or parallel the practice teaching.

201. Teachers' Course in Biology.
[Not given in 1926–27]

202. Teachers' Course in Chemistry.
[Not given in 1926–27]

205. Teachers' Course in Drawing.—For intending teachers of art. Discussions of the aims and methods in drawing and art instruction in the public schools, technical work in review and in preparing courses of study. Open only to upper division students.
5 units, winter quarter (FARMER) MTWThF 10
3 units, *summer quarter (CLARK) MWF 9
Winter, 6; summer, 5

206. Teachers' Course in English.
2 units, winter quarter (PRESTON) TTh 4
3 units, *summer quarter, first term (HILL) MTWThF 11
Winter, 20; summer, 22

207. Teachers' Course in Modern Languages.
3 units, summer quarter, first term (PATTEE) MTWThF 2
Summer, 9

208. Teachers' Course in French.
2 units, autumn quarter (CRAMER) TTh 4
Autumn, 5

[**Teachers' Course in German.**—See Germanic Languages 200.]

[**Teachers' Course in Greek.**—See Classical Literature A200.]

211. Teachers' Course in History.
2 units, autumn quarter (MCCULLY) WF 4
3 units, *summer quarter, first term (MCCULLY) MTWThF 11
Autumn, 25; summer, 21

212. Teachers' Course in Journalism.—A course for those preparing to become teachers of journalistic writing in secondary schools, and for those preparing to supervise student publications in such schools.
2 units, autumn and *winter quarters (SMITH) By arrangement
2 units, *summer quarter (SMITH) TTh 3
Autumn, 3; winter, 1; summer, 6

[**Teachers' Course in Latin.**—See Classical Literature B200.]

214. Teachers' Course in Oral Expression.—A course in problems and methods of teaching the several branches of oral expression in the secondary schools.
2 units, spring quarter (BASSETT) M 1–3
Spring, 13

216. Teachers' Course in Mathematics.
2 units, winter quarter (EELLS) WF 4
3 units, *summer quarter, first term (EELLS) MTWThF 9
Winter, 10; summer, 27

[**Teachers' Course in Physics.**—See Physics 200.]

218. Teachers' Course in Spanish.
2 units, spring quarter (JACOB) WF 4
Spring, 11

222. Criticism and Supervision of Instruction.—A few advanced students, who have had sufficient teaching experience, are allowed to undertake the personal investigation, in the schools of the vicinity, of problems in instruction or supervision. Collateral reading and detailed written reports are required. Enrollment only after conference with the instructor concerned.
1 unit, autumn, *winter, and *spring quarters (PROCTOR) By arrangement
Autumn, 3; winter, 3; spring, 7

223. Modern Methods in High-School Teaching.—A course for principals, supervisors, experienced teachers, or prospective teachers who have had an elementary course in teaching methods and management. Reading, reports, discussion, and lectures on modern teaching methods, with a consideration of supervised or directed study, socialized methods, and problem-project teaching.
3 units, summer quarter, first term (TUTTLE) MTWThF 3
Summer, 19

IV. ADVANCED COURSES IN EDUCATION

225a. Educational Psychology: Advanced.—Original endowment, mental development, individual differences in relation to heredity, sex, and environment. Lectures and class reports. Prerequisites: Psychology 51, 55 or 165, and either Psychology 60 or Education 185.
4 units, winter quarter (TERMAN) MWF 11
Winter, 14

225b. Educational Psychology: Advanced.—A critical survey of the literature of learning, formal discipline, and work and fatigue, with special reference to the school program. Lectures and class reports. Prerequisites: Psychology 51, 55 or 165, and either Psychology 60 or Education 185.
4 units, spring quarter (TERMAN) MWF 11
Spring, 13

226. Educational Psychology: Advanced.—A one-quarter course for advanced students covering the ground indicated above under *225a* and *225b*.
5 units, summer quarter (TERMAN) MTWThF 11
Summer, 25

228. Education and Character: Advanced.—A continuation of Courses 140 and 142. Open to students who have had either of these courses or its equivalent.
3 to 5 units, spring quarter (DAVIDSON) Hours to be arranged
Spring, 13

230. High-School Administration.—Study of practical problems relating to the administration of a secondary school, such as organization, curricula, teaching staff, community relationships, part-time education, etc. A special problem is assigned for individual investigation by each student electing the course. Open only to seniors and graduate students who have had a minimum of fifteen units of work in Education, including Course 195, or who are teachers of satisfactory experience.
3 units, winter quarter (PROCTOR) MWF 9
3 units, *summer quarter (DOUGLASS) MWF 8
Winter, 25; summer, 50

231. The High-School Curriculum.—Principles of curriculum construction which underlie the efforts now being made to reorganize the secondary program of studies are considered in this course. Consideration is given to the experiments in curriculum building which have been carried out in Los Angeles, Berkeley, and Oakland, California, as well as the Denver, Detroit, and other plans. Prerequisites: senior or graduate standing, and Course 195 or equivalent.
3 units, spring quarter (PROCTOR) MWF 9
2 units, *summer quarter (DOUGLASS) TTh 8
Spring, 32; summer, 43

232. Seminar in Problems of High-School Administration.
3 units, *summer quarter (DOUGLASS) MWF 3
Summer, 11

233. Extra Curricular Activities in High Schools.—Student participation in school government, athletic associations, honor societies, glee clubs, social and scientific clubs, school publications, and such supplementary school agencies as Boy and Girl Scouts, Junior Chamber of Commerce, Hi-Y, and Junior Red Cross are considered. The course should be of interest to high-school principals, vice-principals, and deans of boys and girls, as well as to high-school teachers preparing for the work of school counselors. Course 195, with some other work in Education, a prerequisite.
2 units, autumn quarter (PROCTOR) T 7:30 p.m.
Autumn, 22

234. The Principles of Educational and Vocational Guidance.—The general principles underlying the guidance movement are taken up in this course. The relation of guidance to every phase of education—curriculum adjustment, social, civic, moral, aesthetic, and vocational—is considered. Mental tests, achievement, trade and vocational ability tests are explained as

they relate to the exploration of pupil ability. Opportunity for actual practice in counseling is given in connection with Course 235 during the spring quarter, for which Course 234 or its equivalent is a prerequisite. Both Courses 234 and 235 apply toward the requirements for the California credential in Research and Guidance.

3 units, autumn quarter (PROCTOR) MWF 9
3 units, *summer quarter, first term (BROWN) MTWThF 1
Autumn, 27; summer, 65

235. Educational and Vocational Counseling.—Methods employed in educational and vocational counseling in high schools will be investigated. Practice as assistants to counselors in nearby high schools is secured for a limited number of students. Prerequisites: senior or graduate standing, ten units of Education including Courses 195 and 234, or satisfactory teaching experience.

2 units, winter quarter (PROCTOR) Th 2–4
Winter, 28

236. Problems and Procedure for Deans and Advisers of Girls.—A course for experienced teachers, administrators, deans, and advisers of girls, and for graduate students who expect to take up work as dean and adviser of girls. Course deals with duties of dean, problems of advisership such as health, educational and vocational guidance, recreation, morals and religion; case work, social activities, office equipment and technique, and community relationships.

3 units, summer quarter, first term (BROWN) MTWThF 9
Summer, 45

240. Advanced Statistical Methods.—This is a continuation of Course 185 and will deal primarily with series of related measures. The statistical methods of analysis of correlated data and the means of combining several measures into total scores are treated, with particular application to educational and mental test data and problems. Education 185, or Psychology 60, is a prerequisite.

4 units, winter and *summer quarters (KELLEY) MTThF 8
Winter 17; summer, 14

241. Advanced Statistical Methods.—This course is a continuation of Education 240. It deals especially with problems in multiple correlation and with the statistical treatment of known linear, skew, and categorical data. Education 240 is a prerequisite. Course alternates with 240.

4 units, summer quarter (KELLEY) By arrangement
Summer, 5

244. Interpretation and Construction of Educational Tests and Measurements.—This is a continuation of Course 186, dealing in the main with the interpretation of test scores in a diagnostic manner. Methods for the utilization of various measures in Educational and Vocational Guidance Programs are indicated. Some attention is given to the methods of construction of Educational Tests. Courses 185, 186, and 189, or equivalents are presupposed.

2 units, summer quarter (KELLEY) MF 10
Summer, 8

245. Mental Test Practice.—The selection and use of mental tests, with laboratory practice and field work. Important types of tests are subjected to experiment and critically evaluated. Prerequisites: Courses 60 in Psychology, or 185, and 188 or 189, and one laboratory course.

4 units, winter quarter (MERRILL) MTWF 1–3
Winter, 9

250. State School Administration.—A study of the educational principles underlying the proper administration of school systems in states and counties, and involving a comparative study of the school laws and school systems of the various American states. The course includes a study of such topics as federal and state policy, forms of control, revenue and its apportionment, the state and the teacher, the state and the child, private and sectarian education, and state oversight and control.

4 units, spring quarter (CUBBERLEY) MTWTh 3
4 units, *summer quarter (CUBBERLEY) MTThF 4
Spring, 30; summer, 71

251. City School Administration.—A study of the educational, financial, and administrative principles underlying the proper organization, administration, and supervision of school systems in cities, with a view to the establishment of principles of action, together with a historical study of the origin of American administrative problems. A thesis on some problem in city school organization or administration, or a survey of some city school system, required of each student.

4 units, winter quarter (CUBBERLEY) MTWTh 3
Winter, 32

254. The Principal and His School.—A practical course, dealing with the organization and administration of a single school, the organization and supervision of instruction, school extension, community relationships, etc. Thesis on some administrative problem required of each student.

4 units, autumn quarter (ALMACK) MTThF 10
4 units, *summer quarter, first term (HUNTER) MTWThF 10
Autumn, 19; summer, 40

256. Organization and Supervision of Instruction.—A study of the principles underlying the organization and supervision of classroom instruction, the art and technique of schoolroom supervision, the supervision of schoolroom instruction in the different school subjects, and means for improving teaching technique and the estimating of teaching efficiency. For present and prospective principals, superintendents, and special supervisors. Experience or special preliminary training a prerequisite.

4 units, summer quarter, first term (HUNTER) MTWThF 11
Summer, 67

258. Administrative Problems of the City Superintendent.—A practical study of the administrative program in small and medium-sized cities, with special emphasis on the daily problems which superintendents have to meet. For advanced students who have had a general course in the principles of school administration (251) and supervisory experience. Special assignment to each student of a problem for individual investigation and term report. The following topics are treated: functional analysis of superintendents' duties, ex officio activities, organization of the school program, staff relationships, curricular responsibilities, community relationships, child accounting, administrative research, school publicity.

4 units, summer quarter (CUBBERLEY) MTThF 3
Summer, 48

260. The Elementary School Curriculum.—A study of the principles underlying the organization of subject-matter for courses in the elementary school, including a critical examination of curricula, syllabi, and school texts in the light of their function in the teaching and administration of the curriculum.

2 units, summer quarter (ALMACK) TTh 10
Summer, 34

262. Organization and Supervision of Elementary Education.—A course dealing with the more important problems of organization, management, and supervision of the elementary school, including such topics as grade, departmental, group, and individual systems of class organization; typical promotion schemes; program making; time allotment; grades and marks; records and reports; attendance, and retardation.

4 units, autumn quarter (SEARS) MWF 1
Autumn, 15

265. School Surveys and Educational Diagnosis.—A study of the literature relating to school surveys and to the methods and technique essential to the investigation of the major problems of the school administrator. How to organize and conduct a school survey, how to determine the lines of investigation needed, how to collect and interpret data, and how to set forth the results of the investigation in a report will be important features of the course.

4 units, autumn quarter (SEARS) MWF 2
4 units, *summer quarter (WILLIAMS) MTThF 11
Autumn, 18; summer, 27

267. Business Management of City School Systems.—A study of the organization and of the processes of managing the business affairs connected with the development, operation, and maintenance of physical properties, and with the financial accounting for city school systems.

4 units, spring quarter (SEARS) MWF 1
Spring, 10

269. School Buildings and Building Programs.—A study of the fundamental problems involved in schoolhouse planning and construction, including standards of construction, unit cost, types of buildings, janitor service, and building surveys.

3 units, spring quarter (ALMACK) MWF 10
4 units, *summer quarter (ALMACK) MTThF 9
Spring, 12; summer, 40

270. Public School Finance.—A course on the financing of public education in the United States dealing with the main problems of expenditures, the cost of schools, education as an economic burden, revenues and their control, indebtedness, budget-making, accounting, costing service, and financial reporting.

3–4 units, winter and *spring quarters (SEARS) MWF 1
3 units, *summer quarter (TUPPER) MWF 2
Winter, 13; spring, 1; summer, 14

275. Practical Administrative Problems.—A study and discussion of a number of practical problems in the organization and administration of a system of public instruction, in cities. Limited to advanced students who have had Courses 250, 251, and 254, or their equivalents, and administrative experience.

3 units, winter quarter (CUBBERLEY) TWTh 4
Winter, 10

280. Current Problems in Public Education.—A seminar type study and discussion of current problems in the organization and administration of public education.

1 unit, spring quarter (CUBBERLEY) [Not given in 1926–27]

285. Introduction to Thesis Work.—All students registering as candidates for the A.M. degree are expected to spend one quarter in thesis training, where instruction in finding materials, bibliography, thesis organi-

zation, etc., is given, and the student guided to the selection and work on a problem.
1 unit, autumn quarter (ALMACK) W 10
1 unit, *summer quarter (ALMACK) W 9
Autumn, 32; summer, 57

300. Seminar in Social Problems.—Devoted to a study of problems in character study and character training, and to certain sociological aspects of public education. Open by permission.
3 to 5 units, summer quarter (DAVIDSON) WF 2–4
Summer, 16

302. Seminar on Elementary School Curriculum.
2 units, winter, spring, and summer quarters (ALMACK) T 7:30 p.m.
Winter, 21; spring, 12; summer, 2

305. Seminar in Public School Finance.—Open to students of administration who are equipped to carry on investigation within this field.
4 units, spring quarter (SEARS) MWF 2
Spring, 5

307. Seminar in Administrative Problems.—Emphasis was placed during 1926–27 on the development and extension of the methods and technique of the school survey. The needs of state, county, and city school superintendents for norms, standards, and exact methods of investigation in their work furnished the basis for the selection of individual problems.
4 units, winter quarter (SEARS) MWF 2
Winter, 5

310. Seminar in School Classification.—Problems in the grading and classification of school children. Prerequisites: Courses 185 (or Psychology 60) and 188 or 189.
2 units, summer quarter (TERMAN) W 3–5
Summer, 36

312. Mental Development.—Seminar course. A critical survey of the most important studies of infancy, childhood, adolescence and senescence. Intended primarily for major students in Psychology and Education who are in the second or third year of graduate work. Alternates with Course 313.
2 units, winter and spring quarters (TERMAN) [Not given in 1926–27]

313. Psychology of Endowment.—A seminar and thesis course. Tests of general intelligence, special abilities, character and personality; the psychology of genius; mental inheritance; race differences, etc. A two-quarter course. Intended for same class of students, and alternates with 312.
2 units, winter and spring quarters (TERMAN) TTh 11
Winter, 18; spring, 16

315. Psychometry.—Essentially a research course. Attention is given to the analysis of mentality; to the measurement of interest; of special sensory capacity; and of certain specific habits and skills. The bearing upon problems of guidance will be stressed. Admission by permission of the instructor. Course alternates with 241.
2 units, winter quarter (KELLEY) MW 10
Winter, 6

325. The Ph.D. Thesis.—Students in Education or other departments working upon Ph.D. dissertations who desire assistance in connection with the definition and handling of statistical problems may enroll in this course upon approval of the instructor. The work is individual and adapted to the student's special problems. Each student is called upon to make a report each quarter upon the statistical phases of his investigation. This course is intended for the special help of Ph.D. students in Education, or in other

departments, whose theses involve statistical procedure, and is not intended to take the place of registration for research work with individual professors. Education students should register for such work under Courses 330–39 below.

2 units, winter quarter (KELLEY) T 7:30 P.M.
2 units, *summer quarter (KELLEY) TTh 10
Winter, 2; summer, 3

330–39. Special Thesis Courses.—In addition to the courses listed above, special work in independent investigation is provided for students prepared to do such advanced work, the nature of the investigation being determined by the student's preparation and needs. Permission to register for any of the following special courses, and the number of units of credit to be given, is subject to individual arrangement. In signing up for any one of the following courses, the proper number and name of instructor should be put on study cards. Meetings of the different groups are arranged for from time to time, usually in the evenings, for reports as to progress, discussion, and criticism.

The members of the instructing staff stand ready to supervise independent investigations in the following fields:

330. Problems in the history of education. (ALMACK, CUBBERLEY)

331. Problems in the theory of education. (DAVIDSON)

332. Problems in the organization and administration of rural and county-unit education. (ALMACK, CUBBERLEY)

333. Problems in the organization and administration of elementary education. (ALMACK, SEARS)

334. Problems in the organization and administration of secondary education and vocational education and guidance. (PROCTOR)

335. Problems in state, county, and city school organization and administration. (ALMACK, CUBBERLEY, SEARS)

336. Problems in school finance and business management. (SEARS)

337. Problems relating to the school plant. (ALMACK)

338. Problems relating to educational tests, measurements, and statistical procedures. (KELLEY)

339. Problems in intelligence testing and educational psychology. (TERMAN)
Autumn, 9 (3 groups); winter, 30 (5 groups); spring, 24 (5 groups); summer, 60 (6 groups)

V. COURSES FOR TEACHERS OF SPECIAL SUBJECTS

A number of special courses of instruction, and groupings of courses, designed to prepare teachers for special work in the public schools, have been arranged and are described in the *Announcement of the School of Education* (issued in June). These include courses designed to prepare commercial teachers, manual arts teachers, teachers of home economics (in connection with one of the State Teachers Colleges), and teachers of the various high-school subjects.

DIVISION OF GRAPHIC ART

ARTHUR BRIDGMAN CLARK, Professor
CHLOE LESLEY STARKS, Assistant Professor
EDWARD MCNEIL FARMER, Instructor

The work aims primarily to prepare students for positions as teachers of drawing and art in secondary schools. Many of the courses are also suitable for the practical and general cultural needs of students in other departments.

Intending teachers of art should register with Graphic Art as their major subject.

REQUIREMENTS FOR GRADUATION

A. Fifty units in Graphic Art. For intending teachers as much work in Education, and in a teaching minor of some subject other than Graphic Art, as will make possible the completion of the requirements for a teacher's certificate in one graduate year.

B. For Elementary School Certification: 50 units in Graphic Art, 15 units in each of three subjects chosen from a specific list, and 38 units in Education. (See *Announcement of the School of Education.*)

C. For the Junior High School Certificate: 50 units in Graphic Art, 23 units in Education, with a teaching major and minor. (See *Announcement of the School of Education.*)

D. For Special Certification, Fine Arts Type: (*a*) Elementary and Junior High School Grade, 60 units in Graphic Art and 18 units in Education; (*b*) Secondary and Junior College Grade, 90 units in Graphic Art and 23 units in Education.

(For the special lists of subjects required consult the secretary of the School of Education, or obtain *Bulletin No. 10, Arts,* from the California Board of Education.)

E. Master's Degree, Including Secondary Teacher's Certificate: One graduate year including the following: 26 units, including thesis, in Graphic Art; enough units in Education to make the required 27 units; completion of the teaching major or minor (other than in Graphic Art).

COURSES OF INSTRUCTION

1. Still-life and Quad Sketching.—Fundamental principles in blocking, proportion, and light and shade. Subjects, still-life and out-of-door drawings of parts of the arcades of the University. The drawings are large (20″ x 25″), and done with charcoal and colored crayon. The aim of the course is to give readiness and reasonable accuracy in representation. Open to all students.

3 to 5 units, autumn quarter (STARKS) MTWThF 1:05–4:05
Autumn, 25

2. Landscape.—Working outdoors in pencil, charcoal, and colored crayons. The chief work of the class is bent toward large 20″ x 25″ drawings in color, one being made each day, thus developing power to think intently on the essential elements in design, of form, color value, and the selection of significant elements which make pictures. As a necessary accompaniment to the large drawings, each student carries a sketchbook in which small notes

of compositions are made. From discussions and selection of these the larger subjects are chosen. Open to all students.

5 units, spring quarter (STARKS) MTWThF 1–4
Spring, 20

3. Design in Form and Color.—Great advance has been made in recent years in design, both in the development of rich color in surface decoration as applied to textiles and in interior decoration. To develop power in creative expression and color arrangement in prismatic as well as grayed colors, is the object of the course.

The work is done in tempera color with the brush directly, training in the most practical way habits of color analysis and clear thinking. A series of problems is given which begins with the color wheel and the simplest geometric form and leads on through easy steps to elaborate textile designs, rich wall decorations, and the general color design of interiors. This course is prerequisite to Textiles, and Advanced Design. Open to all students.

5 units, autumn, winter, and spring quarters (STARKS)
Lec. MTWThF 8; Lab. hours at student's convenience
Autumn, 28; winter, 21; spring, 16

4. Perspective.—A series of problems in form presentation; in part free-hand, in part drawn with instruments, and involving the various principles of perspective and shades and shadows. The latter part of the course involves drawings from actual buildings and placing figures in various distances and elevations. Open to all students and recommended as preparation to Course 5.

5 units, autumn quarter (CLARK) MTWThF 9
Autumn, 18

5. Art of House Design.—The course is a systematic study of the fundamental principles which underlie taste, convenience, and economy in house designing and furnishing. The principles and necessity of civic planning are also given brief consideration. The subject-matter treated is of such universal interest and importance that the exercises assigned are kept well within the accomplishment of earnest students even though they may have had but little training in drawing. However, a great deal of drawing, both mechanical and free-hand, is required in the course as the most efficient means to the understanding of design in proportion, line, and surface, and sensitiveness to beauty of all kinds. The first half deals with types of exteriors and their design and plans; the second half with interior treatment, furniture, yard, and civic planning. A few trips of observation will be made in the suburban towns toward San Francisco. Previous experience in free-hand and perspective drawing will facilitate advancement in the course. Open to all students who have had either Courses 1, 3, or 4, or the equivalent.

5 units, winter and *summer quarters (CLARK) MTWThF 11
Winter, 9; summer, 17

6. Lectures on Painters.—First half: The Renaissance from Giotto to Velasquez. Second half: The Nineteenth Century and Present Time. The course is conducted with the use of lantern slides, each student being furnished with a collection of prints selected from the University Prints Series, and blueprints prepared for this course. Open to all students.

5 units, winter and *summer quarters (CLARK) MTWThF 9
Winter, 55; summer, 38

101. Handicraft: Metal Craft.—Making bowls, book ends and trays from copper, and jewelry in silver.

5 units, autumn quarter (CLARK) MTWThF 1:05–4:05
Autumn, 8

102. Handicrafts: Textiles.—The decoration of textiles in articles for personal use and interior decoration, block-printing, decoration of textiles by dyeing, embroidering and batik. Open to all students who have had Course 3 or its equivalent.
5 units, winter quarter (STARKS) MTWThF 1:05–4:05
Winter, 6

103. Advanced Color Design.—The continuation of Course 3.
5 units, winter and *spring quarters (STARKS) MTWThF 8
Winter, 3; spring, 5

104. Science Drawing.—A course designed to assist students in scientific illustration. It includes the drawing of simple scientific subjects in pen, outline, line and stipple shading, wash, line and wash. Especial attention is paid to the needs of individual students. Open to science and medical students on advice.
1 to 3 units, autumn quarter (STARKS) 8–12 by arrangement
Autumn, 3

105. Advanced Course in Art of the House.—A more intensive study of house design, furniture design, and other furnishings than is possible in Course 5. Open to students who have had Courses 1, 3, and 5, or their equivalents.
5 units, winter and *summer quarters (CLARK) [Not given in 1926–27]

106. Illustration.—Graphic representation and pictorial composition. The course aims to develop facility in strong, well-composed pictorial expression. Study is made of the relationship of compositional form to pictorial content and of the human figure as an element of pictorial expression. Drawing in charcoal and colored chalks. Course 1 prerequisite.
5 units, winter and summer quarters (FARMER) MTWThF 1:05–4:05
Winter, 11; summer, 8

107. Commercial Art.—A study of Gothic, Roman, and modern letter styles and practice in executing them both drafted and free-hand, with pen and brush. A study of poster composition with chief interest in effective line and color mass and the relation of compositional form to idea. Course 106 prerequisite.
5 units, spring quarter (FARMER) MTWThF 1:05–4:05
Spring, 3

108. Interior Decoration.—A short review of the history of interior architecture and decoration in Europe and America, showing the development of the modern domestic interior. Consideration of the architectural background, period and modern furnishings and textiles, and of the suitability of types of arrangement and decoration to modern social needs. Special reference throughout the course to composition in color and form. Courses 3, 4, and 5 are recommended for preparation.
5 units, spring and *summer quarters (FARMER) MTWThF 10
Spring, 25; summer, 12

201. Special Courses.—Advanced work in connection with Courses 1 to 200 will be arranged for graduate students in accordance with their technical needs. The quality of work done rather than the specific course determines when the work is of graduate or of undergraduate character.
For students working for the Master's degree weekly conferences are held for direction of work and reports.
(CLARK) By arrangement
Autumn, 2; winter, 3

[Teachers' Course in Drawing.—See Education 205.]

SCHOOL OF ENGINEERING

THEODORE JESSE HOOVER, Dean
CHARLES MOSER, Secretary

The School of Engineering has been organized to include the existing engineering departments, the Department of Military Science and Tactics, and such other engineering departments as may be hereafter established. The faculty of the School consists of the Dean and all members of the component engineering departments.

The purpose of the School is to provide a four-year curriculum leading to the degree of Bachelor of Arts in Engineering, and two-year graduate curricula leading to the degree of Engineer.

The curriculum leading to the degree of Bachelor of Arts in Engineering is designed to give the student the broad fundamentals of an engineering education without specialization in any particular branch of engineering; it recognizes the fact that the same general fundamentals are used by all engineers in the solution of their problems. It is planned to include such studies as, together with the high-school and Lower Division preparation, will give the student a wide experience among the different departments of knowledge to broaden his outlook, stimulate his interests, disclose the range of his aptitudes, and discover those lines of effort for which he is best fitted. This curriculum gives the student a certain number of options which he can use as he sees fit.

Students desiring to take up civil, electrical, mechanical, or mining engineering, as a profession, will register during the freshmen and sophomore years in the Lower Division and complete the curriculum for these years as outlined on page 203. After completion of the Lower Division requirements such students will register in the School of Engineering during the junior and senior years and complete the curriculum as outlined on pages 203 and 204. Upon satisfactory completion of this four-year curriculum there will be conferred the degree of Bachelor of Arts in Engineering.

The student is then eligible for registration in the Departments of Civil, Electrical, Mechanical, or Mining Engineering, and upon fulfilling the departmental requirements will receive the degree of Engineer in Civil, Electrical, Mechanical, or Mining Engineering.

The details of the two-year curriculum for the degree of Engineer will be prescribed by the faculty of the department concerned. Graduates with the degree of Bachelor of Arts or its substantial equivalent from other institutions may be admitted to candidacy for the degree of Engineer, and may be recommended for the degree of Engineer, when such candidates have completed a course of study which is substantially equivalent to the course provided for in the previous paragraphs.

It is provided, however, that the degree of Bachelor of Arts in Civil Engineering, Electrical Engineering, Mechanical Engineering, and in the Pre-Mining Curriculum will be given to those students registered in the University in May, 1926, who fulfill the requirements of the departments concerned and of the University for that degree and apply to have it granted to them. Such students will continue to register in the engineering departments. (See the announcements of the engineering departments.)

The entrance requirements are those defined by the University for admission to the Lower Division. Entering students who plan to follow the undergraduate curriculum of the School of Engineering should be thoroughly prepared in elementary mathematics, with entrance credit in algebra (at least two units), plane geometry, and plane trigonometry, in order to take the first year's work in mathematics required of all engineering students. Furthermore, it is advisable for them to have entrance credit in mechanical drawing and in biological science.

The curriculum for the degree of Bachelor of Arts in Engineering is as here set forth arranged as a four-year schedule. The sequence of courses shown in this schedule may be modified, to meet the needs of the individual student, so far as requirements of Lower Division and prerequisites permit.

FOUR-YEAR CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF ARTS IN ENGINEERING

FIRST YEAR, TOTAL UNITS, 44

Subject	Course No.	Autumn	Winter	Spring
Foreign Language		3	3	3
Linear Drawing and Lettering	C.E. 1, 2	....	1	1
Chemistry		4	4	4
Co-ordinate Geometry	Math. 10, 11	3	3	....
Calculus	Math. 21	....	....	3
Citizenship	Citizenship 1–3	4	4	4
Total		14	15	15

SECOND YEAR, TOTAL UNITS, 46

Subject	Course No.	Autumn	Winter	Spring
English Composition	Engl. 2a, 2b	3	....	3
Freehand Drawing	M.E. 11	3	....	....
Calculus	Math. 22, 23	3	3	....
Heat and Electricity	Physics 13, 14	....	4	4
Mechanic Arts	M.E. 1, 2 or 3	*....	2	2
Descriptive Geometry	M.E. 10	....	4	....
History		3	3	3
Extemporaneous Speaking	Engl. 7	3	....	....
Elementary Machine Drawing	M.E. 12	....	....	3
Total		15	16	15

THIRD YEAR, TOTAL UNITS, 45

Subject	Course No.	Autumn	Winter	Spring
Theoretical Mechanics	C.E. 30, 31	5	5	....
Hydraulics	C.E. 106	....	....	5
Surveying	C.E. 20	5	....	....
Engineering Geology	Geol. 1a	5	....	....
Electricity in Engineering	E.E. 102, 103	....	3	3
Elementary Accounting	Econ. 3	....	5	....
Principles of Mining	M. & M. 101	....	....	5
Electives		....	2	2
Total		15	15	15

* All these Mechanic Arts Courses are given in the autumn, winter, and spring quarters. Any two courses may be chosen by the student, limited only by the capacity of the laboratories. Although scheduled for the winter and spring quarters, sufficient registration is desired for the autumn quarter to make operation of all three laboratories possible.

FOURTH YEAR, TOTAL UNITS, 45

Subject	Course No.	Autumn	Winter	Spring
Mechanics of Materials	C.E. 110	5	....	....
Pyrometallurgy of Iron and Steel	M. & M. 105	....	3	....
Exposition	Engl. 131	4	....	....
Business Law	Law 100	4	....	....
{ Prime Movers	M.E. 123		5 or	}
{ or Elementary Machine Design	M.E. 113	....	4	.... }
Engineering Economics	C.E. 130	....	....	3
Human Relations in Business		....	3	3
Electives		2	4 or 5	9
Total		15	15	15

CIVIL ENGINEERING

Charles David Marx, Leander Miller Hoskins, Professors Emeritus

Charles Benjamin Wing, John Charles Lounsbury Fish, Halcott Cadwalader Moreno, Leon Benedict Reynolds, Professors
Charles Moser, Associate Professor
Earl Charles Thomas, Assistant Professor
Walter William Wegner, Instructor

Students who first registered after May, 1926, having the profession of Civil Engineering in view, will pursue the curriculum leading to the degree of Bachelor of Arts in Engineering (see pp. 203 and 204), registering in the office of the School of Engineering after completing the Lower Division requirements.

Students registered in the University in May, 1926, may proceed with the curriculum scheduled in the *Announcement of Courses, 1925–26,* for the degree of Bachelor of Arts in Civil Engineering, registering in the department after completing the Lower Division requirements.

ELEMENTARY ENGINEERING

1. Linear Drawing.—A training in the use of drafting instruments the purpose of which is to enable the student to construct accurate pencil drawings and make clean-cut ink lines. Required of all students in Engineering or Geology who have not received equivalent training in high school or elsewhere. Students who have entrance credit in mechanical drawing may not receive university credit for this course.

The instruments and equipment for this course cost from thirty to forty dollars. Students are cautioned against purchasing cheap, poorly made drawing instruments. Such instruments are not suitable for engineering drawing. A list of approved brands of drawing instruments will be found in the textbook *Linear Drawing and Lettering,* by J. C. L. Fish.

Before purchasing instruments not so listed, the student should consult the instructor.

1 unit, autumn, *winter, and *spring quarters (THOMAS) W 1:05–4:05, or F 1:05–4:05

Autumn, 31; winter, 27; spring, 9

2. Lettering.—A training in engineering lettering and title making. Open to all students, and required of those whose major is in Civil, Mechanical, Electrical, or Chemical Engineering, or in Geology and Mining, whether or not they have entrance credit in mechanical drawing. (This requirement is waived, however, for a student who satisfies the instructor that he has had the equivalent of this course, by submitting certified work in lettering or by passing a special examination.)

1 unit, autumn, *winter, and *spring quarters (THOMAS) W 1:05–4:05, or F 1:05–4:05

Autumn, 44; winter, 61; spring, 37

ENGINEERING MATHEMATICS

30. Theoretical Mechanics.—A course covering the fundamental principles of statics, kinematics, and kinetics, restricted mainly to coplanar forces and to plane motion of particles and of rigid bodies. The course is designed as preparation for Course 110, Mechanics of Materials, but is open to all whose preparation includes the equivalent of Mathematics 10, 11, 21, and 22.

5 units, autumn, *winter, and *spring quarters (MORENO, WEGNER) (autumn) MTWThF 9; (winter) MTWThF 10; (spring) MTWThF 9

Autumn, 47; winter, 46; spring, 16

31. Theoretical Mechanics.—Continuation of Course 30.

5 units, winter and *spring quarters (MORENO) (winter) MTWThF 9; (spring) MTWThF 10

Winter, 52; spring, 41

101. Engineering Computation.—A course in numerical mathematics with applications to engineering problems.

2 units, winter quarter (MORENO) MW 11

Winter, 21

103. Nomographs.—An elementary course on the construction and use of nomographs, including some other graphic methods.

2 units, autumn quarter (MORENO) TTh 11

Autumn, 6

104. Nomographic Drawing.—A course in advanced drafting, supplementary to 103. Prerequisite: Civil Engineering 1 and 2.

1 or 2 units, autumn quarter (THOMAS) [Not given in 1926–27]

105. Graphic Statics.—A supplementary course to Civil Engineering 30, which may be taken in conjunction with it.

1 unit, winter quarter (MORENO) F 11

Winter, 20

117. Engineering Mathematics.—A prerequisite to Electrical Engineering 210. The course includes those parts of complex numbers, infinite series, hyperbolic functions, differential equations, and Fourier's series that are helpful in understanding the power line equations. Prerequisite: Mathematics 21, 22, 23, and some knowledge of alternating currents.

3 units, autumn quarter (MORENO) MWF 11

Autumn, 11

218. Directed Reading.—So far as is practicable special reading courses will be arranged covering the engineering mathematics leading to the thesis work in engineering.

1 or 2 units, autumn and *spring quarters (Moreno) By arrangement

Autumn, 1; spring, 1

MECHANICS OF ENGINEERING

106. Hydraulics.—Lectures and laboratory problems. Fluid pressure and equilibrium, flow of water through orifices, over weirs, in open and closed conduits. Laboratory: Calibration of instruments. Measurements of pressure, velocity, flow, friction loss, etc., under various conditions. Open to students who have completed Course 30 above.

5 units, spring quarter (Moser)
Lec. MWF 9; Lab. MWF 10–12, or TTh 9–12, or MT 1:05–4:05

Spring, 87

[Note.—See also Hydraulic courses listed under Mechanical Engineering.]

110. Mechanics of Materials.—Lectures and laboratory problems. Strength and elastic properties of the ordinary materials of engineering construction. Simple tension, compression, and shear. Flexure, with application to simple, continuous, and nonhomogeneous beams. Long columns, torsion, repeated stress, sudden stress, resilience, etc. Testing strength and elastic properties of materials and structures. Open to students who have completed Courses 30 and 31 above.

5 units, autumn quarter (Moser)
Lec. MWF 9; Lab. MWF 10–12, or TTh 9–12, or MT 1:05–4:05

Autumn, 96

111. Mechanics of Materials.—Continuation of Course 110 above.

5 units, winter quarter (Moser)
Lec. MWF 9; Lab. MWF 10–12, or TTh 9–12

Winter, 32

212. Research.—Investigation of materials with respect to their physical properties and the methods employed in their utilization in engineering fields. Open by permission to advanced students.

2 or more units, winter quarter (Moser) [Not given in 1926–27]

213. Current Problems.—Individual investigation and class discussion of some current problem. Open by permission to graduate students.

2 units, winter quarter (Moser) [Not given in 1926–27]

TOPOGRAPHIC ENGINEERING

20. Elementary Surveying.—Recitations: co-ordinates of surveying; measurements; errors; surveying methods. Field: exercises in the care, use, and adjustment of instruments; traverse surveys; stadia surveys; leveling; base line measurement and triangulation; astronomical determination of azimuth. Drafting Room: plotting and adjusting traverses; computing areas; plotting profiles; map interpretation. Prerequisite: Civil Engineering 1 and 2, Mathematics C.

5 units, autumn, *winter, and *spring quarters (Wegner)
Rec. TTh 8; Field and Dft. MTW 1:05–4:05

Autumn, 45; winter, 16; spring, 46

21. Advanced Surveying.—Land surveying; topographic surveying; introduction to city, mine, hydrographic and photographic surveying. Prerequisite: Course 20.

5 units, autumn and *spring quarters (Thomas)
Rec. TTh 8; Field and Dft. WThF 1:05–4:05

Autumn, 25; spring, 1

23. Special Surveying.—Special courses intended for students who have completed Course 20, or who have had practical experience in surveying, and who are interested in continuing some particular branch of surveying. Open only by permission.

1, 2, or 3 units, autumn, *winter, and *spring quarters (WEGNER) [Not given in 1926–27]

25. Engineering Surveys.—The application of surveying to engineering problems. Reconnaissance, preliminary, location, construction and maintenance surveys pertaining to railroads, highways, waterways, etc. Prerequisites: Courses 20 and 21.

4 units, winter and *spring quarters (THOMAS) Rec. Th 9; Field and Dft. WThF 1:05–4:05

Winter, 1; spring, 24

126. Special Engineering Surveys.—Courses arranged to meet special needs of students who have completed Course 25 above, or have had considerable experience in engineering surveys. (Field work can be done only when two or more students elect to pursue the same work.) Open only by permission.

1 to 5 units (THOMAS) [Not given in 1926–27]

ENGINEERING ECONOMICS

130. Engineering Economics.—The business side of engineering. An analysis of economic factors of engineering practice: the engineer in the field of service, investment choice, estimating, business units, business statistics, valuation, depreciation, economics of service. (Text, written recitations, and problems.) Open to those who have 90 units of credit, and to others by permission. (Course 131 below may, by permission, be taken at same time as Course 130.

3 units, autumn, *winter, and *spring quarters (FISH) MWF 8

Autumn, 37; winter, 31; spring, 29

131. Applied Engineering Economics.—Conditions and requirements of actual engineering practice are duplicated in this course. The student selects, investigates, and reports on a problem, conferring regularly with the instructor. The problem may be concrete or general.

The typical *concrete problem* is to choose between two proposed investments that involve engineering (that is, to choose between two proposed engineering structures, plants, operations, or enterprises, from the standpoint of owner or investor); but the problem may be limited to estimating the cost or the economic promise of a single proposed structure. The student's work consists in analyzing the problem, estimating and combining the factors to complete the solution, and writing a formal report on the whole investigation.

The *general problem* may be either the further study of any of the divisions of engineering economics introduced in Course 130 above; or the investigation of the economics of location, design, construction, or operation of a line of transportation (e.g., highway, railway, power line, pipe line, canal), or other similar inquiry. In any case the student's work is systematic reading, problem solving, individual conferences with the instructor, and writing a formal report. Open to those who have credit for or are taking Course 130, and to others by permission.

1 or more units, autumn, *winter, and *spring quarters (FISH) Rec. TTh by arrangement

Autumn, 3; winter, 9; spring, 6

HIGHWAY ENGINEERING

Highway Surveying.—See Course 25 above.

140. Highway Engineering.—An analysis of the major problems of highway engineering, including reconnaisance, promotion, finance, location, design, construction, maintenance, and operation. Open to engineering students who have 90 units of credit and to others by permission.

3 units, winter quarter (THOMAS) (autumn) MWF 9; (winter) MWF 10
Winter, 4

141. Highway Problems.—Individual investigation. The student selects, investigates, and reports on one or more problems of highway engineering, conferring regularly with the instructor. Open to students who have completed or who are taking Course 140, and to others by permission.

1 or more units, spring quarter (THOMAS) By arrangement
Spring, 1

RAILROAD ENGINEERING

Railroad Surveying.—See Course 25 above.

145. Railroad Engineering.—The individual study in connection with one or more specific cases chosen by the student, of one or more questions of location, design, construction, or operation of railroads. Individual conferences with the instructor. The student writes a formal report of his investigation of each case. Open to those who have taken or are taking Course 130 above, and to others by permission.

1 or more units, spring quarter (FISH) By arrangement
Spring, 4

STRUCTURAL ENGINEERING

150. Elements of Design.—(1) Materials: Wood, stone, brick, lime, cement, steel, etc., studied from engineering standpoint. (2) Analytical and graphical determination of stresses in simple structures. (3) Investigation of distribution of stresses in structural details. Open to students who have completed Civil Engineering 1 and 2, and Mechanical Engineering 10, and have taken or are taking Civil Engineering 110 and Mining and Metallurgy 105.

5 units, autumn quarter (WING) Lec. MWF 8; Dft. WThF 1:05–4:05
Autumn, 23

151. Elements of Design.—(1) Materials: Course 150 (1) continued. (2) Bearing power of soils, distribution of pressure, and details of design of simple substructures. (3) Designs, working drawings, bills of material, and estimate of cost of some simple structure, such as a mill building or highway bridge. (4) Testing physical properties of cement and other masonry materials. Prerequisite: Course 150.

5 units, winter quarter (WING, THOMAS)
Lec. MWF 11; Dft. and Lab. MTW 1:05–4:05
Winter, 22

152. Elements of Design.—This course completes the work undertaken in Course 151.

5 units, spring quarter (WING, THOMAS)
Lec. MWF 11; Dft. and Lab. MTW 1:05–4:05
Spring, 19

153. Elements of Design.—A short course to meet the requirements of students taking their major in Civil, Mining, Mechanical, Electrical, or

Chemical Engineering who desire instruction in the structural problems of their special field. Open to students who have had Civil Engineering 1, 2, 110, and Mechanical Engineering 10.

3 units, quarter by arrangement (WING)
Autumn, 3; winter, 3; spring, 4

154. Structural Design.—Determination of stresses in modern types of bridges, including cantilever and swing spans, masonry arches, and arch ribs; discussion of most economical types, spans and dimensions of bridges and bridge members; study of methods of constructing subaqueous substructures, shop methods, erection, inspection of material, specifications, and other factors influencing the design of structures. Designs are made by each student to fulfill actual conditions. Prerequisite: Course 152.

5 units, autumn quarter (WING) Lec. TTh 11; Dft. MTW 1:05–4:05
Autumn, 15

155. Structural Design.—Continuation of Course 154.

5 units, winter quarter (WING) [Not given in 1926–27]

156. Structural Design.—Continuation of Course 155.

3 units, spring quarter (WING) [Not given in 1926–27]

158. Design of Canal, River, and Harbor Structures.—Conferences and designing as per arrangement. Prerequisites: Civil Engineering 106, 151, 152.

3 units, winter and *spring quarters (WING) [Not given in 1926–27]

HYDRAULIC ENGINEERING

160. Collection and Storage of Water.—Design and construction of various types of dams; study of rainfall, evaporation, and run-off; methods of making stream flow measurements; use of hydrographs and mass curves; graphics of dams. This course is devoted to the problems of collection and storage of water for public supplies, power, and irrigation. Lectures, collateral reading, and computations of types of dams. Prerequisites: Civil Engineering 106, 110, 150 (may be taken same quarter).

5 units, autumn quarter (REYNOLDS) Lec. MWF 10; Dft. TTh 8–11
Autumn, 21

161. Development and Distribution of Water.—Capacity, location, and construction of impounding reservoirs; occurrence and use of ground water; hydraulics and construction of wells and infiltration galleries; quantity of water required; conveyance of water in pipes, flumes, canals, and tunnels; distribution systems; fire protection; storage and equalizing reservoirs. This course deals with the development and distribution of water for city, power, and irrigation uses. Prerequisite: Course 160.

5 units, winter quarter (REYNOLDS) Lec. MWF 10; Dft. ThF 1:05–4:05
Winter, 22

162. Protection and Purification of Water Supplies.—Normal quality of waters; physical, chemical, and bacteriological examination of water; relation of water supplies to disease; purification of water by aëration, sedimentation, coagulation, and filtration; water softening, deferrization, and sterilization. Lectures, collateral reading, and investigation of some source of municipal supply with report. Prerequisite: Course 161.

5 units, spring quarter (REYNOLDS) Lec. MWF 8; Dft. ThF 1:05–4:05
Spring, 21

SANITARY ENGINEERING

170. Municipal Sanitation.—Quantity of domestic sewage and storm water; hydraulics of sewers; sewer surveys and investigations; design of sewers and appurtenances; pumping of sewage; estimates of quantities and costs; construction methods; supervision and inspection during construction; operation and maintenance. Recitations, collateral reading, and applications by means of problems. Prerequisite: Civil Engineering 106.

3 units, winter quarter (REYNOLDS) Rec. MWF 8
Winter, 24

171. Disposal of Sewage.—Characteristics of sewage; disposal by dilution; treatment by means of screens, sedimentation tanks, activated sludge, contact beds, sprinkling filters, sand filters, irrigation, and disinfection; location, design, operation, and maintenance of plants. Recitations, collateral reading, and applications by means of problems and designs. Prerequisite: Course 170.

5 units, spring quarter (REYNOLDS) Rec. MWF 10; Dft. TTh 9–11
Spring, 24

180. Specifications and Contracts.—Development of contract principles; varieties of construction contracts; principles of specification writing; study of actual composition and arrangement of a set of specifications covering advertisement, instructions to bidders, proposal, contract, bond, and general clauses; preparation of contracts for engineering services. Lectures, collateral reading, and practice in actual writing of specifications. Open to students who have taken or are taking Course 160 and to others by permission.

3 units, autumn quarter (REYNOLDS) Lec. MWF 11
Autumn, 22

[Students who specialize in Sanitary Engineering are expected to take the following courses in other departments which are designed with the needs of sanitary engineers in mind.]

[**Elementary Limnology.**—See Biology 162.]

[**Sanitary Bacteriology.**—See Bacteriology 102.]

[Students who expect to specialize in Sanitary Engineering are advised to elect the following courses in their undergraduate curriculum.]

[**Insects and Disease.**—See Zoölogy 6.]

[**Preventive Medicine and General Hygiene.**—See Physical Education 2.]

Laboratory Fees.—Courses 20, 21, $4 each; 25, 152, $3 each; 106, $2; 110, 111, 130, 131, $1 each; 151, $2.50.

ELECTRICAL ENGINEERING

HARRIS JOSEPH RYAN, Professor
HENRY HARRISON HENLINE, Associate Professor
JOSEPH SNYDER CARROLL, WARD B. KINDY, THEODORE HARDING MORGAN, Assistant Professors
W. BRYAN DUNCAN, FREDERIC EMMONS TERMAN, Instructors
EZRA F. SCATTERGOOD, Lecturer

The department offers courses of instruction for three groups of engineering students:

I. General Group.—Courses 102 and 103, Electricity in Engineering, are offered especially for third-year students in engineering.

II. Dynamic Group.—Courses 104, 105, 106, 108, 124, 125, and 126 are open to fourth-year students in engineering.

III. Advanced Electrotechnic Group.—Courses 200, 201, 202, 203, 220, 240, 250, 280, 290, 300, Civil Engineering 102, and electives as approved.

Students who are registered in the School of Engineering and are looking forward to Electrical Engineering as a profession should elect Courses 104, 105, 106, 124, 125, and 126. The curriculum thus completed will lead to the degree of Bachelor of Arts in Engineering.

UPPER DIVISION COURSES

102. Electricity in Engineering.—Lectures, questions, demonstrations, operating practicums. Prerequisites: first six quarters in engineering curricula and Physics 14.
3 units, winter quarter (MORGAN) Lec. TTh 8; Lab. T or Th 1:05–4:05
Winter, 60

103. Electricity in Engineering.—Continuation of Course 102.
3 units, spring quarter (MORGAN) Lec. TTh 8; Lab. T or Th 1:05–4:05
Spring, 33 (2 groups)

104. Fundamentals of Electric Circuits.—A course in fundamental principles of the electric and magnetic circuits, including simple alternating current circuits. Prerequisites: Civil Engineering 30, 31, 110, Mechanical Engineering 10, Physics 100, or Electrical Engineering 102, and registration in Course 124.
2 units, autumn quarter (KINDY, MORGAN) TTh 9 or 10
Autumn, 45 (2 sections)

105. Alternating Current Circuits.—Principles of alternating current circuits, and their application in the determination of the performance of alternators and transformers. Prerequisites: Courses 104 and 124, and registration in Course 125.
2 units, winter quarter (KINDY) TTh 10 or 11
Winter, 44

106. Alternating Current Circuits.—Continuation of Course 105, including a study of induction and synchronous machines and transmission lines. Prerequisites: Courses 105 and 125, and registration in Course 126.
3 units, spring quarter (KINDY) MWF 11
Spring, 25

108. Radio Communication.—The generation, radiation, reception, and amplification of high-frequency alternating current energy, and the properties of circuits at high frequencies. Prerequisite: Course 105.
3 units, spring quarter (TERMAN) By arrangement
Spring, 12

124. Direct Current Machinery Laboratory.—A study of the characteristic performance of direct current machines. To accompany Course 104. Prerequisite: registration in Course 104.
3 units, autumn quarter (KINDY, MORGAN) M, W, or F 1:05–4:05, or S 9–12
Preparation period by arrangement
Autumn, 44 (2 sections)

125. Alternating Current Machinery Laboratory.—Alternating current circuits; performance of alternators, transformers, and induction motors; transformer polyphase connections. To accompany Course 105. Prerequisite: registration in Course 105.
3 units, winter quarter (KINDY, DUNCAN) M, W, or F 1:05–4:05, or S 9–12
Preparation period by arrangement
Winter, 46 (2 sections)

126. Alternating Current Machinery Laboratory.—Characteristic performance of induction and synchronous machines, series motors, converters, and rectifiers. Prerequisite: registration in Course 106.
4 units, spring quarter (KINDY, DUNCAN) M, W, or F 1:05–4:05, or S 9–12
Preparation period by arrangement
Spring, 25 (2 sections)

COURSES PRIMARILY FOR GRADUATES

200. Seminar.—A weekly conference for the discussion of current electrical engineering literature and special topics.
1 unit, autumn, winter, and spring quarters (RYAN, HENLINE) By arrangement
Autumn, 18; winter, 17; spring, 24 (2 sections)

201. The Electric and Magnetic Circuits.—A problem course in the theory of electrostatic and electromagnetic circuits. Prerequisites: Courses 106 and 126.
3 units, autumn quarter (TERMAN) By arrangement
Autumn, 13

202. Advanced Electrotechnics.—The theory of circuits transmitting electrical energy, including power and telephone lines, circle diagrams of transmission networks, electric waves, artificial lines, and wave filters. Prerequisite: Civil Engineering 102. Required in quarter following Course 201.
5 units, winter quarter (TERMAN) Lecture and laboratory periods by arrangement
Winter, 11

203. Advanced Electric Circuits.—Analysis and solution of advanced problems, such as transients, skin effect, electro-mechanical systems, etc. Prerequisite: Course 202.
2 units, spring quarter (TERMAN) By arrangement
Spring, 8

210. Equipment Research.—Advanced electric circuits, machinery, meters, controls, materials.
(KINDY, MORGAN, TERMAN) By arrangement
Autumn, 1; winter, 1; spring, 1

220. Communication Engineering Laboratory.—Fundamentals of intelligence transmission. Characteristics of wire lines and accessory apparatus. Prerequisites: Courses 105 and 125.
5 units, autumn quarter (HENLINE, TERMAN) By arrangement
Autumn, 11

230. Communication Research.
(Henline, Terman) By arrangement
Autumn, 1; winter, 5; spring, 4

240. High-Voltage Engineering Laboratory.
5 units, autumn quarter (Ryan, Carroll) By arrangement
Autumn, 15

250. High-Voltage Engineering Research.
(Ryan, Carroll) By arrangement
Autumn, 7; winter, 14; spring, 11

280. Electrical Engineering Professional Papers.
(Faculty members as assigned)* By arrangement
Autumn, 5 (2 groups); winter, 11 (4 groups); spring, 10 (3 groups); summer, 2

290. Research: Study of Engineering Data.
(Faculty members as assigned)* By arrangement
Winter, 1; spring, 3

300. Thesis.
6 units (Faculty members as assigned)* By arrangement
Autumn, 2; winter, 6 (2 groups); spring, 12 (3 groups); summer 1

The Stanford Branch of the American Institute of Electrical Engineers is an organization authorized by the Institute and maintained by the students for the discussion of the Journal of the Institute, and other topics.

Laboratory Fees.—$1 per unit of university credit.

Syllabus Fees.—Applicable to syllabus, lantern slides, and charts; 50c to $1 per course.

MECHANICAL ENGINEERING

William Frederick Durand, Professor Emeritus

Arthur B. Domonoske, †William Rankine Eckart, Everett Parker Lesley, Guido Hugo Marx, Professors
Charles Norman Cross, Lawrence Edminster Cutter, Horatio Ward Stebbins, Associate Professors
Boynton Morris Green, Lydik Siegumfeldt Jacobsen, Edward John Stanley, Assistant Professors
Robert Henry Harcourt, James Bennett Liggett, Theron James Palmateer, Teaching Specialists
Charles Herbert Smith, Instructor (Autumn and Winter Quarters)

UNDERGRADUATE CURRICULUM

Students registered in the University prior to May, 1926, may proceed with the curriculum outlined in the *Announcement of Courses, 1925–26*, for the degree of Bachelor of Arts in Mechanical Engineering, registering in the department after completing the Lower Division requirements.

Students entering after this date, having the profession of Mechanical Engineering in view, will register in the School of Engineering for the gen-

* Assigned by Executive Head of Electrical Engineering Department.
† Absent on leave, 1926–27.

eral undergraduate curriculum, selecting their electives, as far as possible, from among the following courses in order to facilitate completion of the requirements for the degree of Engineer in Mechanical Engineering in two subsequent graduate years: Mechanical Engineering 1, 2, 3, 4 units; 113*a* and *b*, 8 units; 114, 8 units; 132, 4 units; 133, 4 units; 121, 3 units; 123, 5 units, or 124, 3 units; Mining and Metallurgy 108, 3 units.

GRADUATE CURRICULUM

After October 1, 1929, the degree of Engineer in Mechanical Engineering will be granted only upon the completion of two years of graduate work.

Prior to October 1, 1929, the department will enroll the students in the fifth and last year of a five-year course leading to the degree of Engineer. Such students may be either:

a) Graduates of the department with the degree of A.B. (see above, Undergraduate Curriculum), or

b) Graduates of this or other institutions who have covered a substantial equivalent of such undergraduate or first-degree curriculum.

The courses required in the fifth, or graduate, year are as follows:

	Course	Autumn	Winter	Spring
Shop Administration	Mechanical Engineering 210	—	4	—
Advanced Machine Design	Mechanical Engineering 216	4	—	—
Testing of Hydraulic Machinery	Mechanical Engineering 225	3	—	—
Testing of Heat Exchangers and Power Plant Auxiliaries	Mechanical Engineering 226	—	3	—
Applied Thermodynamics	Mechanical Engineering 234	—	—	4
Central Power Stations	Mechanical Engineering 235	3	—	—
Pumping Machinery	Mechanical Engineering 236	—	3	—
Hydraulic Machinery and Power Stations	Mechanical Engineering 237	—	—	5
Thesis	Mechanical Engineering 251	5	5	5

SHOPWORK AND ADMINISTRATION

1. Forge Practice.—Two laboratory periods per week. Required of Mechanical Engineering students.

2 units, autumn, *winter, and *spring quarters (HARCOURT) Hours by arrangement
Autumn, 55; winter, 27; spring, 21

2. Foundry Practice.—Two laboratory periods per week. Required of Mechanical Engineering students.

2 units, autumn, *winter, and *spring quarters (LIGGETT)
Heats W 1–4, Hours by arrangement
Autumn, 26; winter, 27; spring, 13

3. Machine Shop Practice.—Two laboratory periods per week. Required of Mechanical Engineering students. Prerequisites: Mechanical Engineering 1 and 2.

2 units, autumn, *winter, and *spring quarters (PALMATEER) Hours by arrangement
Autumn, 11; winter, 21; spring, 18

4. Pattern Making.—Two laboratory periods per week. Required of Mechanical Engineering students.

2 units, autumn, *winter, and *spring quarters (STANLEY) [Not given in 1926–27]

200. Shop Processes.—Laboratory investigation of forge, foundry, and machine shop processes. The aim of this course is to give students an opportunity to work under instruction with tools and processes of special interest, but beyond the scope of Mechanical Engineering 1, 2, and 3, which are prerequisites. Electric and acetylene welding apparatus, steam and power hammers, cupola and crucible furnaces, and a variety of machine tools are available.

1 to 3 units, any quarter (DOMONOSKE and TEACHING SPECIALISTS)
By arrangement

Spring, 9 (3 groups)

210. Shop Administration.—A course of lectures on workshop organization and administration, factory accounting, wage systems, selection of machinery, factory methods, etc. Prerequisites: Shopwork, Courses 1 to 4 inclusive.

4 units, winter quarter (DOMONOSKE)
Winter, 2

MACHINE DRAWING AND DESIGN

10. Descriptive Geometry.—Open to students who have completed or are taking Civil Engineering 1 and 2, or have had their equivalent. It is required of students whose major is in Engineering or in Civil, Mechanical, or Chemical Engineering.

This course deals with principles and methods used in making with mathematical exactness drawings of objects and geometrical magnitudes, and in solving problems involving their space relations, without going into details of shop notes, field notes, machine drawing and design, and topographic and geologic mapping, to which subjects it serves as a preliminary. The principles embodied in the course are limited to those pertaining to the "method of choosing new projection planes."

4 units, winter quarter (CUTTER, GREEN, JACOBSEN)
Rec. TTh 8 or 11; Dft. MT 1:05–4:05, or ThF 1:05–4:05

Winter, 88

11. Free-hand Machine Drawing.—Practice in making free-hand sketches of machine parts, and their dimensioning in practical form for use in the shop, the sketches being made according to the principles of orthographic projection. The aim is to train the student in the reading of machine drawings through making a considerable number of sketches from actual machines and machine parts, and at the same time to familiarize him as much as possible with the actual machine parts. Open to all students, and required of students in Engineering and Mechanical Engineering. (Nine hours a week, either quarter.)

3 units, spring and *autumn quarters (CUTTER, GREEN, JACOBSEN)
TTh 9–12; MTWThF 1:05–4:05

Autumn, 55; spring, 49

12. Elementary Machine Drawing.—Practice in making working drawings of machine parts, and in making tracings from these drawings. The purpose of the course is not only to train the student in the technique of drafting and dimensioning, but also to familiarize him with the elements of machines, and, therefore, no drawings are made from copy, but all are made from the student's own sketches of the actual model. (Nine hours a week in drafting-room, either quarter; three hours' work for one unit credit.) Required of Engineering and Mechanical Engineering students. Prerequisites: Civil Engineering 1, 2, Mechanical Engineering 10, or their

equivalents; and, for Engineering and Mechanical Engineering students, Mechanical Engineering 11.

3 units, autumn and *spring quarters (Cutter, Green, Jacobsen) TTh 9–12; MTWThF 1:05–4:05

Autumn, 33; spring, 34

113. Elementary Machine Design.

a. Function of machines; motion, force, and work in machines; analysis of mechanism; velocity, acceleration, and effort diagrams; parallel motions; cams; ratchets; toothed wheels; valve gear analysis and design. The aim is, not merely to present a course in pure mechanism, or kinematics, but also—by the introduction of the consideration of force, work, and energy, as well as motion—to show the purposes for which the mechanisms are used and the manner in which they function.

3 units, winter and spring quarters (Marx) Lec. MWF 8

Winter, 21; spring, 16

b. Drafting course applying the principles treated in *a.* (Three hours a week drafting, winter and spring quarters.) (1 unit.) Prerequisites: Mechanical Engineering 10, 12, and Civil Engineering 1, 2. Courses *a* and *b* must be taken together and are required of students in Mechanical Engineering.

1 unit, winter and spring quarters (Green) Dft. W 1:05–4:05

Winter, 21; spring, 15

114. Machine Design.—Study of machine elements, such as bolts and screws; riveted joints and boiler design; keys, fits and fitting; axles, shafts, and spindles; journals, bearings, friction, and lubrication; ball and roller bearings; sliding surfaces; couplings and clutches; gear, belt, rope, and chain transmission systems; flywheels; brakes; springs; frames and supports; cylinders, etc.; leading to the design of complete simple machines. (Two hours a week recitations and lectures, six hours in the drafting-room, throughout the year.) Open to students who have completed Mechanical Engineering 113, Mining and Metallurgy 105, and Civil Engineering 110; two quarters required of students in Mechanical Engineering.

4 units, autumn, winter, and spring quarters (Marx) Lec. TTh 8; Dft. TTh 1:05–4:05

Autumn, 21; winter, 24; spring, 4

115. Dynamics of Machinery.—Review of the elementary principles of mechanics. Emphasis on vibration analysis, including theoretical as well as practical study of resonance phenomena, critical speeds of shafts, torsional vibrations, and balancing of machines. Dynamics of rigid bodies, especially rotation, gyroscopic motion, and stability of mechanical systems. Practical applications of Lagrange's equations to engineering problems, the engine governor, problems of two degrees of freedom. Mechanics of fluid motion, involving a study of Laplace's continuity equation, sources and sinks, vortex-free and vortex motions. Bernoulli's and Euler's works with practical applications as Prandtl's theory of the lift of an aërofoil. A brief study of viscous motion leading to an acquaintance with Reynolds' work on lubrication. Analogy of fluid motion to heat flow, with a few applications of Fourier's conduction equations. (Continuous course, two quarters.) Prerequisites: Civil Engineering 30, 31, 110.

3 units, autumn and winter quarters (Jacobsen) By arrangement

Autumn, 1; winter, 2

117. Applications of Theory of Elasticity.—A study of the results obtained by the theory of elasticity rather than a study of the theory itself.

Tension and compression with emphasis on stress concentrations. Torsion of bars of non-circular cross-section attacked chiefly by analogies involving experimental work. Flexure, especially of statically indeterminate systems. Formal solution of a few two-dimensional problems by means of stress functions. Experimental solutions of plane stress problems by polarized light. Prerequisites: Two quarters of Course 114 in Mechanical Engineering. A course in differential equations is highly desirable.

3 units, spring quarter (JACOBSEN) [Not given in 1926–27]

216. Advanced Machine Design.—Design of complete machines. Students may elect machine tools, cranes, steam or gas engines, or special problems. (One lecture and nine hours drafting per week.) Intended for students who have completed Mechanical Engineering 114, 132, and 133.

4 units, autumn quarter (MARX, CUTTER, GREEN, JACOBSEN)
Lec. F 10; Dft. 1:05–4:05 by arrangement

Autumn, 1

EXPERIMENTAL ENGINEERING

[NOTE.—Laboratory sections in experimental engineering will be arranged in groups of three students. In so far as the laboratory schedule permits, students will be allowed, with due regard to priority of application, to arrange their own sections and laboratory periods. Enrollment, with the instructor concerned, on registration day or the first day of university instruction, is essential in order both that the laboratory schedule may be prepared and a lecture period selected to meet the requirements of the class as a whole. Enrollment later than the first week will not be permitted under any circumstances.]

121. Calibration and Use of Engineering Instruments.—Including thermometers, gas and steam meters, planimeters, steam engine indicators, absorption brakes, transmission dynamometers, and steam calorimeters. (One lecture, three hours in the laboratory, and ten hours on reports per experiment.) Open to students who have completed Chemistry 10, 11, and 12, Mathematics 23, and Physics 13. Required of students in Mechanical Engineering.

3 units, autumn quarter (STEBBINS, SMITH)
Lec. TTh 9; Lab. 1:05–4:05 by arrangement

Autumn, 30

122. Valuation of Fuels and Oils for Engineering Purposes.—Includes determinations of the proximate analysis of coal; the calorific value of coals, fuel oils, and gas; the moisture contents of fuel oils; the density, viscosity, flash, burning, and chill points of oils, and the coefficient of friction of lubricated bearings. (One lecture, three hours in the laboratory, and ten hours on reports per experiment.) Open to students who have completed Chemistry 10, 11, and 12, Physics 13. Required of students in Mechanical Engineering.

3 units, winter quarter (STEBBINS, SMITH) [Not given in 1926–27]

123. Prime Movers—Air, Gas, Oil, Steam and Hydraulic.—An elementary course covering the fundamentals of theory, the engineering applications and the general methods of testing various types of prime movers. The laboratory work will include tests of a steam boiler, steam engine, steam turbine, gasoline engine, air compressor, and hydraulic motors. (Three lectures per week and seven experiments, each requiring three hours in the laboratory and about sixteen hours on reports. Open to all engineering majors who have completed Mathematics 23, Physics 13, Civil Engineering 30, 31, and 106.

5 units, winter quarter (DOMONOSKE, STEBBINS)
Lec. MWF 10; Lab. 1:05–4:05 by arrangement

Winter, 37 (2 sections)

124. Testing of Engines, Boilers, and Compressors.—Includes valve setting, flue gas analysis, economy tests of steam engines, and steam turbines, gas engines, boilers, and air compressors. (One lecture, three hours in the laboratory, and ten hours on reports per experiment.) Open only to students who have completed Mathematics 23, Physics 13, Civil Engineering 30, 31, 106, and Mechanical Engineering 132, 133; required of students in Mechanical Engineering.

3 units, spring quarter (STEBBINS) Lec. TTh 11; Lab. 1:05–4:05 by arrangement
Spring, 27

225. Testing of Hydraulic Machinery.—Includes tests of centrifugal, rotary, jet, and steam pumps, pulsometers, hydraulic rams, water wheels, and hydraulic turbines. (One lecture, three hours in the laboratory, and ten hours on reports per experiment.) Open to students who have completed Civil Engineering 106 and Mechanical Engineering 123, or 124, and 132.

3 units, autumn quarter (DOMONOSKE) Lec. TTh 8; Lab. 1:05–4:05 by arrangement
Autumn, 1

226. Testing of Heat Exchangers and Power Plant Auxiliaries.—Includes tests of feed water heaters, economizers, condensers, injectors, blowers, turbo-compressors, and refrigerating machinery. (One lecture, one conference, three hours in the laboratory, and ten hours on reports per week.) Open to students who have completed Mechanical Engineering 123 or 124, and 225.

3 units, winter quarter (DOMONOSKE) Lec. TTh 11; Lab. 1:05–4:05 by arrangement
Winter, 2

227. Testing of a Complete Power Plant.—A comprehensive test which reviews and co-ordinates the work of courses. Mechanical Engineering 121, 122, 124, 225, and 226. The work includes the planning and arranging of all details, the calibration of all instruments, preliminary runs for valve and other adjustments in accordance with the code of the A.S.M.E. A final report to be made by the section as a whole, copies being prepared for each student and one for the laboratory files. Open only to students who have completed Mechanical Engineering 121, 122, 123 or 124, 225, and 226; will not be given unless at least six students register.

2 units, spring quarter (DOMONOSKE) [Not given in 1926–27]

230. Experimental Investigation of Mechanical Engineering Problems.—Open to all students who have completed Mechanical Engineering 121, 122, and 123 or 124 and whose work has indicated their ability to carry on successfully advanced work of this nature. (A complete report of all work must be prepared for the laboratory files.)

3 to 6 units, winter quarter (DOMONOSKE, STEBBINS, SMITH) By arrangement
Winter, 3

POWER PLANT ENGINEERING

132. Heat Engines.—Mechanical theory of heat and its applications. Required of students in Mechanical Engineering. Prerequisites: Mathematics 23 and Physics 13.

4 units, autumn quarter (CROSS, SMITH) Lec. MWF 10; problem work as arranged
Autumn, 38

133. Heat Engines.—Continuation and application of Course 132. (Three lectures per week.) Required of students in Mechanical Engineering.

4 units, winter quarter (CROSS, SMITH) Lec. MWF 10; problem work as arranged
Winter, 31

234. Applied Thermodynamics.—Continuation of Courses 132, 133. Irreversible operations, flow of gases and vapors, design of turbine nozzles. Ap-

plication of thermodynamic theory to advanced and special problems. Prerequisite: Mechanical Engineering 132 and 133. (Three lectures per week.)
4 units, spring quarter (Cross) Lec. MWF 10; problem work as arranged
Spring, 5

235. Central Power Stations.—Study of the principal problems presented by the design and operation of modern central power stations driven by heat prime movers. (Two lectures per week.)
3 units, autumn quarter (Cross) Lec. TTh 9; problem work as arranged
Autumn, 2

236. Pumping Machinery.—Discussion of the principal problems arising in the design and operation of pumping machinery of various types, displacement, centrifugal, rotary, propeller; and for various purposes, general service, boiler feed, fire service, mine drainage, irrigation, municipal supply, oil line service, etc. (Two lectures per week.) Prerequisites: Mechanical Engineering 132 and Civil Engineering 106.
3 units, winter quarter (Cross) Lec. MWF 9; problem work as arranged
Winter, 5

237. Hydraulic Machinery and Power Stations.—Elements of hydraulic machinery with special reference to prime movers. Elements of the design of hydraulic power stations with special reference to modern hydroelectric practice; general control of water in tunnels and penstocks, surge chamber, control of surges and shocks, valves and regulating devices, penstocks and their installation, selection of units, characteristics of impulse and reaction types, speed regulation, installation tests, and special problems. Prerequisite: Civil Engineering 106. (Four lectures and three hours' office work per week.)
5 units, spring quarter (Domonoske) Lec. MTWTh 9; problem work as arranged
Spring, 13

238. Power Plant Economics.—A brief study of fundamental financial calculations, equipment costs, best type of prime mover, economic size of units, load curves. (Two lectures per week with problems.)
3 units, spring quarter (Cross) Lec. TTh 10
Spring, 5

AERONAUTICS

240. Theory of Flight.—Discussion of elementary principles and application to the chief problems arising in the theoretical discussion of the flight of air-craft heavier than air. Two lectures with collateral problems.
2 units, autumn quarter (Lesley)
Autumn, 4

241. Aërodynamic Laboratory.—Experimental investigation of airplane propellers and other aërodynamic problems.
3 units, autumn and *winter quarters (Lesley) By arrangement
Autumn 1; winter, 3

SPECIAL RESEARCH

251. Thesis.—Investigation of some engineering problem. Required of candidates for degree of Engineer.
2–15 units, autumn, *winter, and *spring quarters (Entire Staff) By arrangement
Autumn, 1; winter, 1; spring, 2

Fees.—Courses 1, 2, 3, and 4, $10 each; Courses 113*b*, 234, 235, 236, 238, 50c each; Courses 121, 122, 123, 124, 225, and 226, $5 each; Course 227, $3; Course 230, $1.50 per credit hour.

MILITARY SCIENCE AND TACTICS

E. R. Warner McCabe, Lieutenant Colonel, Field Artillery, Professor (Summer Quarter)
William D. Geary, Major, Field Artillery, Professor
John Keliher, Major, Field Artillery, Associate Professor
Frank J. Atwood, Captain, Ordnance Department, Associate Professor
Moses W. Pettigrew, Captain, Field Artillery, Associate Professor
Charles S. Whitmore, First Lieutenant, Field Artillery, Assistant Professor

Field Artillery and Ordnance units of the Reserve Officers' Training Corps are maintained for the purpose of fitting students to become Reserve Field Artillery or Ordnance Officers while they are taking their regular college courses. This enables them in case of a national emegency better to perform military duty in the service of their country and with the rank for which their capabilities and training as college graduates fit them.

The course is planned to cover a period of four academic years. Any student electing the course is expected to do so with the idea that he will complete the first two years' basic course and, if possible, elect and complete the last two years' advanced course; and that upon its satisfactory completion he will accept from the President of the United States a commission as Second Lieutenant of Field Artillery or of Ordnance in the Officers' Reserve Corps. If the college course is completed in three years, the commission may be awarded at that time, provided all subjects are covered.

The basic course is the same for both units. It consists of the first two years, completion of which fulfills the University requirement of six quarters of military or physical training. The lecture courses are classed in Group II of the Lower Division requirements. The obligation to complete the basic course may be canceled for good and sufficient reasons approved by the head of the department and the President of the University. All students enrolled in the R.O.T.C. are furnished uniforms and equipment without cost to themselves.

The Advanced Course is open to selected students who satisfactorily complete the basic course. A specially designed tailored uniform is furnished those taking the advanced course. Advanced Course students are required to attend one summer instruction camp of six weeks, the government defraying all expenses, including food, clothing, and travel to and from camp. The camp is of six weeks' duration and is a period of interesting and instructive work with the physical and moral development of the students well provided for. In addition it is valuable for its broadening effect on the student, who is associating with men from other leading American universities. Men taking the advanced course receive in addition to the foregoing commutation of subsistence at the rate of $9 per month for two years and $21 per month while at the required camp. Five units of credit will be given for satisfactory completion of the camp.

The United States Government places at the disposal of the University for instruction purposes the necessary number of horses and horse equipment; personal equipment; one complete 75-millimeter battery with fire control and reconnaissance instruments; motor equipment including caterpillar tractors, trucks, and motorcycles; and a well-equipped ordnance laboratory.

FIELD ARTILLERY COURSE

First-Year Basic (Freshman)

2. Materiel.—(Two hours per week.) 75-millimeter gun (French): weights, dimensions, assembling of parts, of gun and carriage; parts of breechblock, dismounting and dismantling breechblock; dismounting gun from cradle; removal of wheels and parts of carriage; sights, recoil mechanism. Ammunition and fuses: parts, action of; tactical uses; instruments, nomenclature, operation, uses of. Other battery vehicles, operation, and use of; care and cleaning of vehicles.

2 units, autumn, *winter, and *spring quarters (Keliher, Whitmore, Atwood) (autumn) TTh 9; (winter) TTh 9, 11; (spring) TTh 11

Autumn, 15; winter, 63; spring, 29

11. Practical Work.—(Three hours per week.) Individual instruction in equitation to include saddling, bridling, adjustments; acquiring a firm seat at all gaits; use of the aids. Battery instruction in dismounted drill, calisthenics, tent pitching, standing gun drill, cannoneers drill, harnessing and driving in pairs.

1 unit, autumn quarter (Keliher, Pettigrew, Whitmore)

Autumn, 174

12. Practical Work.—(Three hours per week.) Individual instruction in the duties of the cannoneers in the service of the 75-millimeter gun. Gunners examination. Battery instruction in the composition and use of battery and battalion reconnaissance details, training of scouts and agents. Reconnaissance selection and occupation of position.

1 unit, winter quarter (Keliher, Pettigrew, Whitmore)

Winter, 171

13. Practical Work.—(Three hours per week.) Battery instruction in mounted drill including duties of drivers and cannoneers. Individual instruction in nomenclature and functioning of the pistol to include safety precautions and care of the pistol. Position and aiming drills. Instruction practice on target range. Record practice.

1 unit, spring quarter (Geary, Keliher, Whitmore)

Spring, 156

Second-Year Basic (Sophomore)

4. Horses and Stable Management.—(Two hours per week.) Lecture course covering the care and conditioning of the horse, including care and management in the field; forage and animal nutrition; types of artillery horses, breeds and blood lines; shoeing, grooming, stable management and exercise; hippology, anatomy, physiology, points, conformation, and age; wounds, simple diseases and their treatment; veterinary medicines; entraining and detraining, care en route.

2 units, autumn quarter (Whitmore) TTh 9, 11

Autumn, 42

21. Practical Work.—(Three hours per week.) Individual instruction in fire control instruments, including use of range-finder. Battery commander's telescope, aiming circle, field glasses. Battery instruction in dismounted drill, standing gun drill, cannoneers drill, harness and driving.

1 unit, autumn quarter (Keliher, Pettigrew, Whitmore)

Autumn, 92

5. Topography and Communications.—(Three hours per week.) Map reading including the use of scales, conventional signs, orientation, and the

grid; visibility, defilade and deadspace problems. Use of map in tactical problems. Panoramic sketching. Telephones and switchboards: nomenclature, installation and operation. Communication nets. Radio: operation and use. Message center: operation, writing, and classification of messages.
2 units, spring quarter TTh 9, 11
Spring, 40

22. Practical Work.—(3 hours per week.) Individual instruction in equitation to include advanced use of the aids and jumping obstacles. Battery reconnaissance.
1 unit, winter quarter (KELIHER, WHITMORE)
Winter, 77

6. Artillery Minor Tactics.—(Three hours per week.) Artillery organization. Battery and battalion details and their use in the reconnaissance, selection, and occupation of positions. The Infantry-Artillery team. The artillery combat order. Use of relief map. Map problems.
3 units, spring quarter (KELIHER) MWF 10
Spring, 20

23. Practical Work.—(3 hours per week.) Individual instruction in equitation to include advanced use of the aids, cross-country riding, and gaiting. Battery mounted and tactical exercises.
1 unit, spring quarter (KELIHER, WHITMORE)
Spring, 78

FIRST-YEAR ADVANCED (JUNIOR)

101. Field Artillery Firing.—(Three hours per week.) All elements of the basic principles of rapid preparation and conduct of fire. Elementary ballistics; the trajectory and its elements; the mission of field artillery; preparation of firing data by parallel and compass methods; dispersion and the law of errors and its practical application to artillery; the firing commands; types of fire as delivered by artillery; methods of adjusting on all types of targets, observation axial. Blackboard firing.
3 units, autumn and *winter quarters (PETTIGREW)
(autumn) TThS 8, MWF 10; (winter) TThS 8
Autumn, 44; winter, 8

131. Practical Work.—(Three hours per week.) Individual instruction in advanced equitation, including the training of remounts, riding with bit and bridoon, jumping. Battery instruction dismounted, standing gun drill, cannoneers drill, harnessing, driving.
1 unit, autumn quarter (PETTIGREW, WHITMORE)
Autumn, 46

102. Field Artillery Firing.—(Three hours per week.) Lateral observation and the methods of deliberate preparation of fire. Lateral observation; use of the aiming circle, plane table, and compass in laying guns by deliberate and more accurate methods; the firing tables; the meteorological method; weather corrections; normal emergency and rolling barrages; successive concentrations; aërial observation; flash, sound, and high burst ranging; visibility and dead space.
3 units, winter and *spring quarters (PETTIGREW)
(winter) MWF 10; (spring) MWF 9
Winter, 25; spring, 8

132. Practical Work.—(Three hours per week.) Individual instruction in nomenclature and functioning of the pistol, including safety precautions and care of the pistol. Position and aiming drills. Instruction practice on target range. Record practice. Battery instruction in the duties of officers

and noncommissioned officers of the special details in reconnaissance, selection, and occupation of positions.
1 unit, winter quarter (GEARY, KELIHER, WHITMORE)
Winter, 41

133. Practical Work.—(Three hours per week.) Individual instruction in conduct of fire, including practical application on the smoke bomb range of the principles taught in Courses 101 and 102. Battery instruction as officers and noncommissioned officers at mounted drill and at tactical exercises.
1 unit, spring quarter (KELIHER, PETTIGREW, WHITMORE)
Spring, 35

SECOND-YEAR ADVANCED (SENIOR)

104. Organization and Tactics.—(Three hours per week.) Fundamentals of the organization and tactics of the army and its various arms and elements; field artillery organization, tactics, operations, employment, information, ammunition, supply, with special emphasis on Artillery-Infantry teamwork; functions of various calibres of field artillery and principles involving the type used; divisional, corps, and army artillery and functions of each; staff organizations, functions, and duties; field orders, logistics; map problems.
3 units, autumn quarter (GEARY) MWF 9, 11
Autumn, 25

141. Practical Work.—(Three hours per week.) Continuation of Course 131, acting as assistant instructors.
1 unit, autumn and winter quarters (KELIHER, PETTIGREW, WHITMORE)
Autumn, 26; winter, 41

105. Military History and Policy of the United States.—(Three hours per week.) A critical study of our military policy, and a military survey of the most important campaigns and battles of the United States (including the World War). Military operations and strategy. Prerequisite: Course 104.
3 units, winter and *spring quarters (GEARY)
(winter) MWF 9; (spring) MWF 11
Winter, 11; spring, 16

142. Practical Work.—(Three hours per week.) Continuation of Course 132, acting as assistant instructors.
1 unit, winter quarter (GEARY, KELIHER, WHITMORE)
Winter, 30

106. Military Law and Administration.—(Three hours per week.) History, authority, sources of military law; military law as applied to the United States Army in peace and war; procedure in courts-martial; rules of land warfare; military administration to include duties of battery officers upon mobilization.
3 units, autumn, *winter, and *spring quarters (KELIHER)
(winter) MWF 11; (spring) MWF 8
Autumn, 2; winter, 23; spring, 36

143. Practical Work.—(Three hours per week.) Continuation of Course 133. Acting as assistant instructors.
1 unit, spring quarter
Spring, 31

100. Polo.—(Three hours per week.) Optional. Open to all students who have completed Course 11.
1 unit, autumn, *winter, and *spring quarters (KELIHER, WHITMORE)
Autumn, 30; winter, 28; spring 38

Summer Courses

Summer Camp for regularly enrolled students taking the Military Science course. Camp of six weeks' duration.
5 units, summer quarter (Pettigrew, Whitmore)
Summer, 29

ORDNANCE R.O.T.C. CURRICULUM

[Open to Engineering and Chemistry students only]

First-Year Basic (Freshman)

Autumn Quarter	Winter Quarter	Spring Quarter
Military Science 11	Military Science 12 Military Science 2	Military Science 13

Second-Year Basic (Sophomore)

Military Science 21	Military Science 22	Military Science 23

First-Year Advanced (Junior)

Military Science 152	Chemistry 207	Military Science 153

Second-Year Advanced (Senior)

Military Science 151 or Mining and Metallurgy 107	Military Science 167	Military Science 106

ADVANCED ORDNANCE COURSES

First-Year Advanced (Junior)

152. Materiel.—(Two hours per week.) A study of the designs and functioning of artillery materiel.
2 units, autumn quarter (Atwood) TTh 9
Autumn, 16

[**Ammunition and Explosives.**—(Two hours per week.) A discussion of the ballistic powders and high explosives used during the World War, including the chemistry involved not only in their preparation, but also in the preparation of raw materials necessary for their manufacture. The course also covers the preparation and use of primers and primer mixtures. In addition to the above outline, the new explosives which have not yet been used but which promise to become of great importance in the future, will be discussed. (Chemistry 103.)
2 units, winter quarter (Quinn) By arrangement
Winter, 28 (2 sections)

153. Ordnance Administration.—(Two hours per week.) A course designed to familiarize the student with the administration of the Ordnance Department; procurement of materials; property accounting and military organization.
2 units, spring quarter (Atwood) MW 9, TTh 9
Spring, 11

Second-Year Advanced (Senior)

151. Automotive Engineering.—(Two hours per week.) Considers the fundamentals of automobile construction. It includes the engine and its

accessories, carburetors, ignition, starting and lighting systems, cooling systems; the chassis and its component parts.
2 units, autumn quarter (Atwood) TTh 8
Autumn, 9

167. Ordnance Engineering.—(Two hours per week.) Lectures and problems dealing with the fundamental principles of gun design; design of recoil and counter recoil mechanisms. Calculations are made of stresses in gun carriages, gear trains, foundations, and foundation bolts used in different types of mounts.
2 units, winter quarter (Moser, Atwood) TTh 8
Winter, 8

106a. Military Law.—(Two hours per week.) History, authority, sources, military law as applied to the United States Army in peace and in war; procedure in courts-martial; rules of land warfare.
2 units, winter and *spring quarters (Keliher)
(winter) MWF 11; (spring) MWF 8
Winter, 4; spring, 8

In addition to the foregoing twelve units required of all Ordnance students in the advanced course, eighteen units must be elected from the following listed courses: Chemistry 171, 173, 174, 181; Electrical Engineering 102, 103, 105, 124, 125; Civil Engineering 110, 111, 117, 130; Law 100; Mechanical Engineering 1, 2, 3, 4, 117, 123, 124, 132, 133, 210, 234, 235, 237; Mathematics 170, 171; Mining and Metallurgy 105; Physics 120; Political Science 110.

Summer Courses

Summer Camp for Ordnance Students.—The camp is of six weeks' duration.
5 units, summer quarter (Atwood)
Summer, 16

MINING AND METALLURGY

Theodore Jesse Hoover, †James Macdonald Hyde, Professors
Harry Wheeler Morse, Acting Professor
Frank Jarvis Atwood, Welton Joseph Crook, Waldemar Fenn Dietrich, Frederick George Tickell, Associate Professors
Thomas B. Crowe, John Franklin Dodge, Roy Parmelee McLaughlin, Louis David Mills, Lecturers

Students registered in the University in May, 1926, may proceed with the curriculum scheduled in the *Announcement of Courses, 1925–26*, for the degree of Bachelor of Arts in the Pre-Mining Curriculum, registering in the department after completing the Lower Division requirements.

Students entering after May, 1926, having the profession of Mining, Metallurgical, Petroleum, or Ceramic Engineering in view, will pursue the curriculum leading to the degree of Bachelor of Arts in Engineering (see pages 203 and 204), registering in the office of the School of Engineering after completing the Lower Division requirements.

† Absent on leave, 1926–27.

Upon completion of the work for the degree of Bachelor of Arts in Engineering the student will be eligible for candidacy for the degree of Engineer in Mining, Metallurgical, Petroleum, Ceramic Engineering and will then register in the Department of Mining and Metallurgy. The curriculum for the degree of Engineer shall require a minimum of six quarters in residence, and shall consist of 90 units of approved university work and the presentation of a thesis which must pass the approval of the Committee on Graduate Study of the University. Upon completion of this two-year graduate curriculum the candidate will be recommended by the faculty of the Department for the degree of Engineer. Graduates with the degree of Bachelor of Arts or its substantial equivalent from other institutions may be admitted to candidacy for the degree of Engineer, and may be recommended for the degree of Engineer by the faculty of the Department when such candidates have completed a course of study which is substantially equivalent to the course provided for in the previous paragraphs.

UNDERGRADUATE COURSES

The four courses described below are the only courses given in this department which are open to undergraduates:

101. Principles of Mining.—Lectures. Covers the entire subject of the mining of metals, non-metals and petroleum, and serves as an outline for the orderly development of professional studies as well as meets the needs of the general engineering student. Includes a study of properties, occurrence, prospecting, development, exploitation, and utilization. Prerequisite: Geology 1*a*.

5 units, spring quarter (DIETRICH, TICKELL) MTWThF 11
Spring, 59

102. Principles of Metallurgy.—Lectures. Elementary discussion of broad principles of ore dressing and metallurgical operations. Preparatory to more detailed treatment in later courses; crushing, classification, concentration, hydrometallurgy, pyrometallurgy. Prerequisites: Chemistry 20, Geology 121 or Chemistry 101.

5 units, winter quarter (DIETRICH) MTWThF 10
Winter, 8

105. Pyrometallurgy, Iron and Steel.—Lectures. The principles, practice, and cost of producing iron and steel; theory and practice of heat treatment; introduction to metallography of steel; theory, use, and production of alloy steels; non-ferrous metals and alloys in Engineering construction. Prerequisites: Chemistry 10, 11, and 12.

3 units, winter quarter (CROOK) MWF 8
Winter, 57

106. Assaying.—Laboratory and lectures. Determination of gold and silver in ores and metallurgical products. Prerequisites: Chemistry 111 and 112, Geology 121.

5 units, spring quarter (DIETRICH) MTWThF 1:05
Spring, 9

107. Physical and Metallographic Constitution of Ordnance Steel.—A laboratory course designed to acquaint the student with the physical and metallographic properties of steel by means of heat treatment of specimens; determination of tensile and other properties; microscopic examina-

tion and some practice in photomicrography. Open to Ordnance R.O.T.C. students only. Prerequisite: Mining 105.
2 units, autumn quarter (Crook, Atwood) By arrangement
Autumn, 1

GRADUATE COURSES

Economics of Mining

201. Mine Valuation.—Lectures and problems. General considerations; sampling and measurement; widths and volumes; economic geology; analysis of cost; price of metals; smelter contracts; amortization and depreciation; reserves reports. Prerequisites: Mining 101 and either 102 or 103.
2 units, autumn quarter (Hoover) Th 10
Autumn, 12

202. Mine Organization.—Lectures. The mining company; forms of business; frauds; selling mines; shares; balance sheet; profits; valuation; taxes; law. Prerequisite: Mining 201.
1 unit, winter quarter (Hoover) Th 9
Winter, 11

203. Mine Management.—Lectures. Organization and discipline of staff; technical committees, consulting engineers, managing directors, general managers; business principles and scientific management; vocational and technical training; personal qualities and efficiency; organization and discipline of labor; reports; supplies and material; cost and accounts. Prerequisite: Mining 202.
1 unit, spring quarter (Hoover) Th 9
Spring, 11

205. Research and Thesis.—Original study of some problem in the economics of mining, metallurgy, or petroleum.
Autumn, winter, and spring quarters (Hoover) [Not given in 1926–27]

Mining

211. Prospecting and Development.—Seminar and problems. The prospector; geological aspects; placer prospecting, prospecting for deposits in place, methods, and costs; engineering features; boring methods; development plans; methods and costs of shaft sinking, drifting, and raising; engineering records. Prerequisites: Mining 101 and 102.
3 units, autumn quarter (Dietrich) MW 8
Autumn, 7

212. Surface Equipment.—Lectures and problems. The economics and mechanics of surface equipment, including power, compressors, explosives, drills, roads, railroads, tramways, materials for structures, bins. Prerequisites: Mining 101, Physics 14, Civil Engineering 110.
3 units, winter quarter (Dietrich) TTh 11; Th 1:05
Winter, 10

213. Underground Equipment.—Lectures and problems. The economics and mechanics of hoisting, haulage, drainage, and plumbing, ventilation, illumination. Given in alternate years only. Prerequisite: Mining 212.
3 units, spring quarter (Dietrich) [Not given in 1926–27]

215. Operations.—Seminar and problems. The methods and costs of surface and underground mining. Given in alternate years only. Prerequisite: Mining 214.
5 units, spring quarter (Dietrich) Lec. MWF 8; Lab. by arrangement
Spring, 6

216. Mine Sampling and Surveying.—Preliminary study and practice during the winter quarter, followed by a field course during the spring vacation. Prerequisites: Civil Engineering 20 and Mining 201.
4 units, winter quarter (TICKELL) (winter quarter) W 1:05; (spring vacation) 90 hours
Winter, 5

217. Mine Efficiency Engineering.—Lectures, seminar, and problems. An objective course in modern scientific management applied to underground mining. Given in alternate years only. Prerequisites: Courses 201–203, 211, 212, and 215.
3 units, spring quarter (DIETRICH) [Not given in 1926–27]

219. Mining Research and Thesis.—Original study of some problem in mining engineering.
Spring quarter (HOOVER, DIETRICH) By arrangement
Spring, 1

METALLURGY

221. Crushing, Sizing, and Classification of Ores.—Lectures. Mechanical preparation of ores for concentration or hydrometallurgical treatment; principles, practice, and cost of crushing, pulverizing, sizing, and hydraulic classification of ores, transportation of pulp throughout the plant, and thickening of pulps. Prerequisite: Mining 102.
2 units, autumn quarter (DIETRICH) TTh 9
Autumn, 3

222. Concentration Processes.—Lectures. The principles, practice, and cost of the concentration of metalliferous minerals from ores. Prerequisite: Mining 221.
2 units, winter quarter (DIETRICH) MW 11
Winter, 2

223. Ore Dressing.—Laboratory. Mechanical testing by laboratory methods to determine best method of ore dressing. To accompany Course 213. Prerequisites: Mining 102 and 221.
2 to 5 units, winter quarter (DIETRICH) By arrangement
Winter, 3

224. Hydrometallurgy, Gold and Silver.—Lectures. The principles, practice, and cost of treating ores by amalgamation, cyanidation, chlorination, and lixiviation processes. Prerequisite: Mining 221.
3 units, autumn quarter (CROOK) MWF 9
Autumn, 5

225. Hydrometallurgy, Copper, Lead, and Zinc.—Lectures. The principles, practice, and cost of recovering copper, lead, and zinc from ores by hydrometallurgical processes. Prerequisite: Mining 221.
3 units, spring quarter (MORSE) [Not given in 1926–27]

226. Hydrometallurgy.—Laboratory. Study of hydrometallurgical problems; to accompany Courses 224 and 225.
2 to 5 units, autumn and spring quarters (CROOK, MORSE) By arrangement
Autumn, 5; spring, 1

227. Metallurgical Machinery.—Seminar and problems. Design of an ore treatment plant. Prerequisite: Mining 223 or 226.
2 units, winter and spring quarters [Not given in 1926–27]

228. Pyrometallurgy, Copper, Lead, and Zinc.—Lectures. The principles, practice, and cost of recovering copper, lead, and zinc from ores by

pyrometallurgical methods; details of smelter operations; the physical chemistry of metallurgical operations. Prerequisite: Mining 102.
3 units, spring quarter (Crook) TTh 8
Spring, 8

229. Pyrometallurgy.—Laboratory. Experiments illustrating the principles of oxidizing, sulphating, and chloridizing roasting, desilverization of base bullion, formation of slags, fusibility of refractories, heat treatment of steel, with checking of results by pyrometry and chemical analysis. Prerequisite: Mining 228.
2 units, autumn quarter (Crook) [Not given in 1926–27]

230. Electrometallurgy.—Lectures. Review of electro-chemistry as applied to electro-deposition of metals; principles and practice of electrolytic refining. The principles, practice, and cost of electric furnace work. Prerequisites: Mining 225, 228, and 234.
3 units, autumn quarter (Crook, Morse) [Not given in 1926–27]

231. Metallography.—Laboratory and lectures. Study of the properties and microstructure of metals and alloys; technique of metallographic investigation and microphotography. Prerequisites: Mining 102 and 105.
4 units, winter quarter (Crook) By arrangement
Winter, 2

232. Pyrometry.—Laboratory and lectures. Determination of high temperatures and calibration of pyrometrical instruments. Prerequisites: Mining 102 and 105.
3 units, winter quarter (Crook) By arrangement
Winter, 4

233. Metallurgical Calculations.—Seminar and lectures. Calculation of problems involving physical chemistry as applied to pyrometallurgy and hydrometallurgy; calculation of efficiency of processes and furnace operations. Blast furnace charge calculations, etc. Prerequisites: Mining 225 and 228.
3 units, autumn quarter (Crook) T 8
Autumn, 3

234. Metallurgical Analysis: Ores.—Laboratory. Rapid methods for quantitative determination of constituents of non-ferrous ores and metallurgical by-products. Prerequisites: Chemistry 111, Mining 102.
3 or 4 units, autumn quarter (Dietrich) MTW 1:05
Autumn, 4

235. Metallurgical Analysis: Metals and Alloys.—Laboratory. Rapid methods for quantitative determination of constituents of metals and alloys, ferrous metallurgical products and raw materials. Prerequisites: Mining 105 and 234.
3 or 4 units, spring quarter (Crook) By arrangement
Spring, 1

236. Heat Treatment.—Laboratory and lectures. Practice in the heat treatment of plain and alloy steels and non-ferrous alloys under controlled conditions. Testing and examination of products. Prerequisites: Mining 231 and 232.
4 units, spring quarter (Crook)
Spring, 3

240. Metallurgical Research and Thesis.—Original study of some problem in metallurgical engineering.
Autumn, winter, and spring quarters (Hoover, Crook) By arrangement
Autumn, 1; winter, 1; spring, 1

Petroleum

241. Petroleum Engineering.—Lectures and problems. A course in the application of engineering principles to the solution of underground problems; construction of graphic logs and sections, correlation of strata, study of water problems.
4 units, autumn quarter (Tickell) MWF 11
Autumn, 10

242. Oil Well Water Analysis.—Laboratory. Rapid methods for the volumetric analysis of oil well waters. Given in alternate years only.
2 units, autumn quarter (Tickell) [Not given in 1926–27]

243. Oil Field Development.—Lectures. Dealing with the equipment and methods used in drilling oil wells.
2 units, autumn quarter (Tickell) TTh 11
Autumn, 5

244. Production of Oil.—Lectures. The production of oil, control of wells, pumping methods, operations, dehydration.
2 units, winter quarter (Tickell) TTh 10
Winter, 6

245. Storage and Transportation of Petroleum.—Lectures and problems. Methods of storage and transportation; methods of gauging, design of tanks and pipelines, prevention of storage losses, fire hazards, gas measurement.
3 units, winter quarter (Tickell) TTh 9
Winter, 2

246. Petroleum Refining and Utilization.—Lectures and problems. Refined products and their use for fuels, light generation, and lubrication; the economics of petroleum.
3 units, spring quarter (Tickell) TTh 10
Spring, 6

247. Oil Land Valuation.—Lectures and problems. The methods used in appraising oil lands; estimation of future production, operating costs, depreciation of material, salvage, value of future profits, tax returns.
2 units, spring quarter (Tickell, Dodge) Lectures T 9
Spring, 5

248. Oil Testing.—Laboratory. Determination of the physical properties of crude oils and their refined products, including the routine commercial tests on these substances.
3 units, winter quarter (Tickell) By arrangement
Winter, 33

249. Oil Field Sediments.—Laboratory. Mechanical analysis of sediments as to grain size, porosity, mineral content, oil content by extraction and distillation, etc.
2 units, spring quarter (Tickell) By arrangement
Spring, 3

250. Advanced Work in Petroleum Engineering.—Laboratory. Special work in Courses 241 to 249.
2 to 5 units, autumn, winter, and spring quarters (Tickell) By arrangement
Autumn, 7; winter, 5; spring, 4

251. Petroleum Research and Thesis.—Original study of some problem in petroleum engineering.
Autumn, winter, and spring quarters (Hoover, Tickell) By arrangement
Autumn, 5; winter, 5; spring, 3

Ceramics

261. Ceramic Testing.—Methods of laboratory testing for the determination of the physical properties of clays, and finished products. Interpretation of tests. To cover the full range of cermanic products, the student is advised to register for five units.

2 to 5 units, autumn and winter quarters (Dietrich) [Not given in 1926–27]

262. Clay Analysis.—Quantitative analysis of the constituents of clays. Prerequisite: Course 234.

3 units, autumn and spring quarters (Dietrich, Crook) [Not given in 1926–27]

263. Ceramic Industry.—This course is designed to give a broad understanding of the ceramic industry, the sources of raw materials, the processes of manufacture, and the marketing of the products, with particular reference to Pacific Coast conditions. Seminar reading, plant visits, and reports. Prerequisite: Course 261.

5 units, winter and spring quarters (Dietrich) By arrangement
Winter, 1; spring, 1

264. Ceramic Plant Design.—In this course, the student undertakes a laboratory and economic investigation with the object of determining the proper clay mixtures and processes of manufacture for a hypothetical plant to produce a given type of ceramic product. This problem will include the testing of finished products. When the data are secured, a complete plant design is made and all estimates of capital and operating expense are included. A minimum of 15 units, at the rate of not less than 5 units in each of three successive quarters, is required. Prerequisites: Courses 212, 261, 262, 263.

5 to 15 units, autumn, winter, and spring quarters (Dietrich) By arrangement
Autumn, 1; winter, 1; spring, 2

FOOD RESEARCH INSTITUTE

Carl Lucas Alsberg, Joseph Stancliffe Davis, Alonzo Englebert Taylor, Directors
Holbrook Working, Louis B. Zapoleon, Economists
Harold Hotelling, Katharine Snodgrass, Research Associates

The Food Research Institute is organized under a grant from the Carnegie Corporation of New York for the purpose of studying the production, distribution, and consumption of food. Most of its investigations are conducted by the directors and the staff of the Institute.

The directors will guide a limited number of properly qualified students in research upon selected food problems. Such work will count under the usual terms toward the degrees of Master of Arts and Doctor of Philosophy.

RESEARCH COURSE

201. Food Research Problems.—Research upon subjects lying within the general field of food production, distribution, and consumption.
Autumn, winter, and spring quarters (Alsberg, Davis, Taylor, Working)
By arrangement

HOOVER WAR LIBRARY

Ralph Haswell Lutz (Associate Professor of History, *Chairman*), Ephraim Douglass Adams (Professor of History), George Thomas Clark (Director of University Libraries), Joseph Stancliffe Davis (Director, Food Research Institute), Harold Henry Fisher (Curator, American Relief Administration Archives, *Secretary*), Frank Alfred Golder (Professor of History), Herbert Clarke Hoover (Founder), Graham Henry Stuart (Associate Professor of Political Science), Ray Lyman Wilbur (President of the University), Murray Shipley Wildman (Professor of Economics), Directors

Nina Almond, Librarian

The Hoover War Library is a collection of materials for research in the causes, conduct, and results of the Great War, covering also the period of reconstruction since the end of the war. These materials are of all kinds and from all the nations of the world whether belligerent or neutral, but special efforts have been made to secure those which will be useful in research along the lines of non-military history and on social, economic, and governmental problems. The Hoover War Library has a separate physical existence in the University Library, with its own research room and staff. Its accumulations now include some 125,000 pieces, the use of which is open to graduate research students of Stanford University and to teachers from other universities, or other qualified investigators approved by the Directors. At present no research fellowships have been established. All funds are yet being directed to further acquisitions and to administration. The Hoover War Library offers no University courses of instruction, but several departments offer courses using its materials.

SCHOOL OF LAW

MARION RICE KIRKWOOD, †JOSEPH WALTER BINGHAM, ARTHUR MARTIN CATHCART, GEORGE EDWARD OSBORNE, WILLIAM BROWNLEE OWENS, HAROLD SHEPHERD, CHESTER GARFIELD VERNIER, CLARKE BUTLER WHITTIER, Professors

STANLEY MORRISON, JOSEPH DANNER TAYLOR, Associate Professors

GARRETT HENRY ELMORE, Acting Assistant Professor

OSCAR KENNEDY CUSHING, HENRY GRANVILLE HILL, LEONARD SAXTON LYON, Lecturers

WILLIAM EVERETT BRITTON (University of Illinois), ORRIN K. MCMURRAY (University of California), RICHARD R. B. POWELL (Columbia University), HENRY ROTTSCHAEFER (University of Minnesota), WILLIAM CABELL VAN VLECK (George Washington University), Acting Professors (Summer Quarter)

ORGANIZATION

The School of Law was established, as a department of the University, in 1893. Its purpose is to provide a thorough legal education for students who are fitted by their maturity and their previous academic training to pursue professional study under university methods of instruction. The curriculum covers three academic years and constitutes an adequate preparation for the practice of law in any English-speaking jurisdiction. Elective courses in Code Pleading, Practice, Water Rights, and Mining Law are offered. In all courses some special attention is paid to problems of local law in the Western States.

A comprehensive group of courses in Public Law, of value not only to the law student but to the student who contemplates entering the diplomatic, consular, or other government service, is a feature of the curriculum.

By taking advantage of the four-quarter system, with its opportunities for summer instruction, the Law curriculum may be completed in two and one-fourth calendar years.

THE LIBRARY

The Law Library contains over 32,000 volumes, including complete sets of the English, Irish, Scotch, Australian, New Zealand, and Canadian reports, the reports of all Federal courts, a practically complete set of the reports of the American States, the Australian States, and the Canadian Provinces, the National Reporter system, the standard collections of cases, the standard English and American legal encyclopedias, the principal American, English, and Canadian digests and citators, sets of the leading American, British, Canadian, and Continental legal periodicals, together with a good collection of textbooks. There is also a somewhat complete collection of compiled laws, session laws, and other statutory material, both Federal and State, as well as British, Canadian, and Australian.

The class of 1911, upon graduation, adopted a plan for the purchase, from time to time, of works on Legal History. This collection is known as the "Class of 1911 Memorial Collection on Legal History." The class of 1912

† Absent on leave, 1926–27

adopted a similar plan for the purchase of a memorial collection of celebrated trials.

Through the efforts of the Stanford Law Association a fund was established in 1923 in memory of Charles Andrews Huston, who was for many years Professor of Law and Dean of this School. The income from this fund is to be used for the purchase of books for the Law Library.

Through the generosity of Justice McFarland, Justice Melvin, Justice W. A. Sloane, Justice Frank H. Kerrigan, and Justice John E. Richards, the Library has received, since 1907, a complete set of the records of the California Supreme Court, and through the generosity of Justice Sloss, Justice Warren Olney, Jr., Justice C. A. Shurtleff, Justice Frank H. Kerrigan, and Justice John E. Richards, a complete set of the records of the District Courts of Appeal.

The University Libraries are also available for use by students of the School of Law.

ADMISSION TO THE SCHOOL OF LAW

Admission to the professional curriculum in Law is granted only to students who have received the degree of Bachelor of Arts, or an equivalent degree, from this University or from some other institution of recognized collegiate standing; provided, however, that students who matriculated in Stanford University prior to November 1, 1924, may be admitted to the School of Law upon fulfilling the requirements in force on May 1, 1924.

In the discretion of the faculty, admission may be granted to a very limited number of students who cannot meet the foregoing requirements, but who are eligible for admission to the University, who are twenty-three years of age, and whose previous experience is such as to justify the presumption of their ability to do the work successfully. Such students are termed "unclassified" and are not eligible for a degree.

It is advised that the matter of admission be settled in advance. For this purpose those seeking admission in regular standing should furnish a complete and official transcript of their college work, showing courses pursued, grades received, and degrees conferred.

Students are admitted at the beginning of any quarter, but, in the case of students beginning the study of Law, the summer or autumn quarters are those in which work can be most advantageously commenced.

THE DEGREE OF BACHELOR OF ARTS

Students registered in the School of Law, and who matriculated in this University prior to November 1, 1924, will be recommended by the Law Faculty for the degree of Bachelor of Arts (A.B.) in the pre-legal curriculum upon the completion of the number of units and grade points required by the University for graduation with the Bachelor's degree, provided that these units shall have included: (*a*) The work of the Lower Division or its substantial equivalent in some other institution; (*b*) studies under the guidance of the Law Faculty covering ninety units. These studies must include the first-year professional law courses. All the other courses are elective, subject to the approval of the Faculty of Law. Additional professional law courses not to exceed twenty-six units may be chosen. As a general rule the elective studies should be mainly selected from the departments of Economics, English, History, Law, Philosophy, and Political Science. Special

attention is directed to the course in Roman Law offered in the department of Classical Literature.

THE DEGREE OF JURIS DOCTOR

Students who have received the degree of Bachelor of Arts, or its equivalent, from this University or from some other institution of recognized collegiate rank, and who have satisfactorily completed courses in Law aggregating 115 units and who have devoted nine full quarters of time to the study of Law, and who have otherwise satisfied the requirements of the University and of the School of Law will be granted the degree of Juris Doctor (J.D.).

CURRICULUM

As it may occasionally become necessary to change the regulations and courses outlined herein, the right is reserved to make such changes without notice.

NON-PROFESSIONAL COURSES

[Credit in non-professional courses may be counted toward the degree of Bachelor of Arts, but not toward the degree of Juris Doctor.]

1. Introduction to the Study of Law.—Nature, sources, and sanction of law; outline of the historical development of English and American courts and procedure; the content, classification, and determination of rules of law, including a consideration of legal rights and duties, the doctrine of *stare decisis* and the development of some of the more elementary rules of law by combining and comparing decisions. Assigned readings and cases. Prerequisite: 55 units of academic credit.
3 units, spring quarter (SHEPHERD)
Spring, 43

100. Business Law I.—Contracts: their formation, operation, and discharge. This course may not be taken by law students but is open to all other students who have 110 units of credit. The class is limited to one hundred. Bays, *Cases on Commercial Law.*
4 units, autumn quarter (TAYLOR)
Autumn, 123

101. Business Law II.—Principal and Agent: nature of the relation; power of the agent to bind the principal in contract and tort. Sales of goods: the transfer of title; warranties; remedies of buyer and seller on breach of contract or warranty. Prerequisite: Business Law I, except upon petition.
3 units, winter quarter (TAYLOR)
Winter, 47

101a. Business Law III.—This course takes up selected problems of law concerning risks borne by manufacturer, wholesaler, and retailer in trade, corporations, partnership, illegal trade practices, credit and securities, bankruptcy, and torts. The course is a continuation of Business Law I and II and is designed to acquaint the student with certain legal principles which affect business policies. The method of instruction includes assigned readings and reports. Prerequisites: Business Law I and II.
3 units, spring quarter (TAYLOR)
Spring, 15

101b. Law for the Journalist.—This course seeks to teach the student not only the risks of journalism as illustrated by cases in the law of libel, but

also legal terminology and procedure necessary to understand facts which have significance at law. The course includes selected problems in law involving libel, freedom of the press, civil procedure, rules of evidence, crimes, and criminal procedure.
2 units, spring quarter (TAYLOR)
Spring, 5

101c. Law Problems in Business.—This course is given solely for students enrolled in the Graduate School of Business. Such students are advised to take Courses 101 to 103, inclusive, or their equivalent, while undergraduates. The course includes selected legal problems in credit and risk bearing, in credit and commercial instruments, in management, in trade practices, in financial operations, and in governmental regulation and taxation.
1 unit, winter quarter (TAYLOR)
Winter, 10

PROFESSIONAL COURSES

FIRST-YEAR COURSES

[Completion of all first-year courses is required for recommendation for the degree of Bachelor of Arts. Enrollment in first-year courses is restricted to students majoring in law.]

102. Contracts I.—Mutual assent, including offer and acceptance; contracts under seal; statute of frauds; illegality; joint and several contracts. Williston, *Cases on Contracts* (2d ed.), and selected cases.
4 units, autumn quarter (WHITTIER)
Autumn, 138

103. Contracts II.—Consideration; beneficiaries; assignments. A short treatment of Common Law pleading precedes the work on Consideration. Williston, *Cases on Contracts* (2d ed.), and selected cases. Prerequisite: Contracts I.
4 units, winter quarter (WHITTIER)
Winter, 126

104. Contracts III.—Express conditions; defenses arising from breach of implied conditions, prevention, incapacitation, and repudiation; excuses for non-performance of conditions; anticipatory breach; impossibility; discharge of contracts. Williston, *Cases on Contracts* (2d ed.), and selected cases. Prerequisites: Contracts I and II.
4 units, spring quarter (WHITTIER)
Spring, 108

105. Torts I.—Principles of tort liability as developed in the action of trespass; negligence as a basis of liability; common law and statutory duties of care; legal cause; contributory negligence. Ames and Smith, *Cases on Torts* (Pound's ed.), and selected cases.
4 units, autumn quarter (CATHCART)
4 units, summer quarter, first half (8 recitations weekly) (VAN VLECK)
Autumn, 123; summer, 33

106. Torts II.—Justification and excuse; absolute liability; deceit; defamation; malicious prosecution and abuse of process; interference with social and business relations, unfair competition, combinations, strikes, boycotts. Prerequisite: Torts I, except with the permission of the instructor. Ames and Smith, *Cases on Torts* (Pound's ed.), and selected cases.
4 units, winter quarter (CATHCART)
4 units, summer quarter, second half (8 recitations weekly) (VAN VLECK)
Winter, 107; summer, 33

107. Criminal Law.—Nature and sources of criminal law; crime as an act; attempts; criminal intent; circumstances affecting illegality of act; specific offenses; crimes against the person, larceny and allied offenses, crimes against the dwelling-house, conspiracy. Mikell, *Cases on Criminal Law* (2d ed.).

6 units, autumn and spring quarters (MORRISON, VERNIER)
Autumn, 21; spring, 102

108. Personal Property.—Possession: nature, importance, and legal effect. Possessory interests arising from: tenancy, bailment, lawful seizure. Rights of a finder. Possession without right. Certain methods of acquiring title to chattels; statutes of limitations; gifts *inter vivos;* accession; confusion, etc. Liens and pledges. Conversion. Warren, *Cases on Property* (abridged ed.).

4 units, autumn and summer quarters (POWELL, ELMORE)
Autumn, 95; summer, 38

109. Introduction to the Law of Real Property.—Tenure; estates in land with reference to: quantity, absolute and qualified character, the time of enjoyment, number and connection of owners, creation and transfer, uses, marital interests. Selected readings and cases.

3 units, winter quarter (KIRKWOOD)
Winter, 97

110. Agency I.—Nature of relation; appointment; liabilities of principal for agent's torts, contracts. Prerequisites: Contracts I and Torts I. Wambaugh, *Cases on Agency* (2d ed.).

3 units, winter quarter (SHEPHERD)
Winter, 96

111. Agency II.—Liability of agent; parties to writings; undisclosed principal; principal's duties to the agent, including workmen's compensation legislation; agent's duties; delegation; termination; ratification. Prerequisites: Contracts I and II, Torts I, and Agency I. Wambaugh, *Cases on Agency* (2d ed.), and selected cases on Workmen's Compensation Acts.

4 units, spring quarter (SHEPHERD)
Spring, 82

SECOND- AND THIRD-YEAR COURSES

[Courses numbered 201 to 224, inclusive, while intended primarily for graduates, may be elected by students who have completed a substantial part of the first-year program, including Contracts I, II, III, and Torts I, II, and who desire to count more than forty units of law toward the degree of Bachelor of Arts. See specific courses for additional prerequisites. For general requirements for admission to Courses 225 to 249, and 250 and above, see statements at the beginning of those groups.]

201. Common Law Pleading.—This course is intended (*a*) to provide a sufficient training in pleading for practice in a common law jurisdiction, (*b*) to furnish an adequate foundation for the study of code pleading, (*c*) to assist the student in the intelligent study of cases. It includes a study of forms of action, necessary allegations, methods of pleading defenses, defects in pleadings with methods of objecting to them and their cure, dilatory objections, cross demands. Prerequisites: two quarters of Contracts, Torts, Personal Property, and Introduction to Real Property. Cook and Hinton, *Cases on Common Law Pleading* (summer); Whittier and Morgan, *Cases on Common Law Pleading* (spring).

4 units (WHITTIER) [Not given in 1926–27]

202. Equity I.—The development and nature of equity jurisdiction; specific performance of contracts. Case book to be announced.

4 units, autumn quarter (KIRKWOOD)
Autumn, 73

203. Persons and Domestic Relations.—Infants; period of infancy; infants' contracts and conveyances, torts, and crimes. Husband and wife; rights of husband as to wife's property; rights of each as to earnings, services, and society of the other; husband's interest in damages for tort to wife; husband's liability for torts or contracts of wife; husband's duty to support wife and wife's authority to bind husband by her contracts; married women's contracts, conveyances, and devises; estoppel of married women; liability of married women for torts and responsibility for crimes; contracts, conveyances, and suits between husband and wife; husband's right to custody of wife. Marriage: promise to marry and breach; marriage as a contract or relation; annulment; divorce; separation. Woodruff, *Cases on Domestic Relations* (3d ed.).

4 units, winter quarter (VERNIER)
Winter, 46

204. Sales.—Subject-matter of the contract; transfer of property and title; destruction of the goods and risk of loss; obligations of seller and buyer; rights of unpaid seller against the goods, remedies of the seller on the contract; remedies of the buyer on the contract; Statute of Frauds. Woodward, *Cases on Sales* (2d ed.).

6 units, autumn quarter (VERNIER)
5 units, summer quarter (BRITTON)
Autumn, 66; summer, 21

205. Landlord and Tenant.—Creation of relationship; duration of tenant's interest, remedies of landlord for non-performance of tenant's obligations, remedies of tenant against landlord, covenants running with the land as between landlord and tenant, rights and duties of landlord and tenant with respect to third person. Prerequisite: Law 109, Introduction to Real Property. Selected cases.

3 units (KIRKWOOD) [Not given in 1926–27]

206. Water Rights.—An intensive study of water rights in the Western States. Extent of riparian rights and liberties; the law of prior appropriation; relative priorities of riparian and non-riparian rights and liberties of use; extinguishment of riparian rights; rights in diffused and underground waters; rights in interstate streams; federal and state powers of control. Prerequisites: Law 109, Introduction to Real Property; Law 202, Equity. Bingham, *Cases on Water Rights.*

4 units (BINGHAM) [Not given in 1926–27]

207. Mining Law.—A course on mining titles under the federal mining acts, with especial reference to mining rights in the Western States and Alaska. Prerequisites: Law 109, Introduction to Real Property; Law 202, Equity. Costigan, *Cases on Mining Law.*

4 units (BINGHAM) [Not given in 1926–27]

208. Bailments and Carriers.—While bailments in general and special classes of bailments involving ordinary liability are considered, the greater part of the course is concerned with the rights, obligations, and liabilities of common carriers both of goods and passengers at common law and under important state and federal statutes. The character of the carrier's undertaking, rights of holders of bills of lading, connecting carriers, tickets, exceptional liability, and limitation of liability are among the topics considered. Attention is given to problems peculiar to carriers, arising under the Interstate Commerce Act and its Amendments. Green, *Cases on Carriers,* and selected mimeographed cases.

4 units, autumn quarter (SHEPHERD)
Autumn, 35

209. Public Utilities.—The nature, rights, and duties of public service callings and businesses under the common law; railroads and canals; telephone and telegraph; gas, water, irrigation, and other public utilities. The legislative and administrative regulation of public utilities under the police power, especially rate regulation. Burdick, *Cases on Public Service,* and selected cases.

4 units, summer quarter, second half (8 recitations weekly) (CATHCART)
Summer, 33

210. Trade and Labor.—Contracts and combinations in restraint of trade. Contracts accompanying the sale of a business or of property; exclusive contracts of sale and purchase; contracts of buyers to keep up prices on resale. Disparagement of goods and unfair competition. Combinations and competitive methods of labor units, of trade or manufacturing units, and of public service units. Modern statutes regulating trade, especially the Sherman Anti-Trust Act, the Federal Trade Commission Act, and the Clayton Act. No law credit if taken before Contracts and Torts. Oliphant, *Cases on Trade Regulation.*

4 units, spring quarter (CATHCART)
Spring, 38

211. Damages.—Respective functions of court and jury in estimating damages; exemplary, liquidated, nominal, direct, and consequential damages; avoidable consequences; counsel fees; certainty, compensation, damages for non-pecuniary injuries; values; interest; and damages in certain actions of tort and contract. Case book to be announced.

4 units (SHEPHERD) [Not given in 1926–27]

212. Quasi Contracts.—Origin and nature of quasi contracts. Benefits conferred in misreliance on right or duty; general principles; misreliance resulting from mistake of law; misreliance on invalid contract, on supposed requirement of valid contract, on non-contract obligation, on ownership of property. Benefits conferred through dutiful intervention in another's affairs. Benefits conferred under constraint; constraint of duress, of legal proceedings, of tax or assessment: action for restitution as alternative remedy for breach of contract and for tort. Thurston, *Cases on Quasi Contracts.*

4 units, autumn quarter (OSBORNE)
Autumn, 19

213. Insurance.—Marine, fire, and life insurance. Insurable interests in various kinds of policies; concealments; misrepresentations; warranties and other matters affecting the validity of the contract; amount of recovery; subrogation; waiver, estoppel, election; powers of agents; assignees and beneficiaries. Vance, *Cases on Insurance.*

4 units (OSBORNE) [Not given in 1926–27]

214. Wills.—Devolution of property of a decedent by intestate succession. The nature of wills and testaments. Probate and its effect. Testamentary capacity. Testamentary intent. Effect of fraud, undue influence, or mistake on the validity of a will. Formalities essential to execution of a valid will. Incorporation by reference. Nullification of wills by (1) revocation; (2) ademption or lapse of legacies or devises; (3) by other circumstances. Republication of wills. Prerequisites: Law 109, Introduction to Property; Law 202, Equity. Gray, *Cases on Property,* Vol. IV (2d ed.), and selected cases.

4 units, winter quarter (ELMORE)
4 units, summer quarter, first half (8 recitations weekly) (MCMURRAY)
Winter, 26; summer, 48

215. Admiralty.—The principles of admiralty and maritime law, with particular reference to the United States, including (1) the scope and subject-matter of admiralty jurisdiction; (2) the maritime lien or right *in rem,* its nature and when it exists; (3) the nature of the substantive maritime law of the United States. Selected cases.
4 units, spring quarter (MORRISON)
Spring, 10

216. Public International Law.—Nature of International Law; its relation to Municipal Law. International relations in time of peace; recognition and classification of states; jurisdiction on land and on the high seas; acquisition and transfer of jurisdiction; non-belligerent settlement of international controversies. International relations as modified by war; effect of war as between enemies; relations between belligerents and neutrals. Open to students in other departments on petition.
4 units [Not given in 1926–27]

217. Jurisprudence.—Nature and purpose of jurisprudence; schools of jurisprudence; the end of law; its nature; its sources, forms, and modes of growth; its scope and subject-matter; analysis of fundamental legal conceptions; critique of existing law. Assigned readings.
4 units, summer quarter (ROTTSCHAEFER)
Summer, 10

[Courses numbered 225 to 249, inclusive, may be taken by undergraduate students only in exceptional instances.]

225. Constitutional Law I.—Making and changing constitutions; function of judiciary in enforcing constitutions; separation and delegation of powers; political rights; personal liberty; interstate privileges and immunities of citizens; operation of fourteenth amendment; due process and equal protection of law; procedure; police power; taxation; eminent domain. No law credit if taken before Law 101–104 (Contracts) and Law 105–106 (Torts). Hall, *Cases on Constitutional Law,* and selected cases.
3 units, winter quarter (CATHCART)
4 units, summer quarter (ROTTSCHAEFER)
Winter, 48; summer, 15

226. Constitutional Law II.—General scope of federal powers; foreign relations, Indians, aliens; territories, dependencies, new states; federal taxation; regulation of commerce; inter-governmental relations; protection to persons accused of crime; retroactive laws in civil cases; state laws impairing obligation of contracts; jurisdiction of federal courts. Course 225 not a prerequisite. No law credit if taken before Law 102–104 (Contracts) and Law 105–106 (Torts). Hall, *Cases on Constitutional Law,* and selected cases.
3 units, spring quarter (CATHCART)
Spring, 44

227. Administrative Law and Public Officers.—Administrative regulations; jurisdiction, discretion, adjudication; enforcement of orders; habeas corpus; mandamus; certiorari; equitable jurisdiction in public law. Freund, *Cases on Administrative Law.*
4 units, autumn quarter (SHEPHERD)
Autumn, 17

228. Bankruptcy.—Jurisdiction of the United States and the several states; who may be a bankrupt; who may be petitioning creditors; acts of bankruptcy; what property passes to the trustee; provable claims; duties and

powers of the bankrupt and his trustee; protection, exemptions, and discharge. Williston, *Cases on Bankruptcy.*
4 units, winter quarter (OSBORNE)
Winter, 18

229. Equity II.—Specific reparation and prevention of torts. Chafee, *Cases on Equitable Relief against Torts.*
3 units, winter quarter (KIRKWOOD)
Winter, 10

230. Title to Land.—I. Original titles founded on possession, prescription, and accretion. II. Modern conveyancing: execution of deeds, description of the property conveyed, creation of easements by implication, covenants for title, estoppel by deed, fraudulent conveyances, recording. Aigler, *Cases on Titles to Real Property.*
5 units, spring quarter (KIRKWOOD)
Spring, 61

231. Rights in the Land of Another.—Natural rights, profits, easements, covenants running with the land, public rights, franchises. Bigelow, *Cases on Rights in Land.*
3 units, autumn quarter (KIRKWOOD)
4 units, summer quarter (POWELL)
Autumn, 16; summer, 4

232. Future Interests.—Classification of future interests; rights of entry for condition broken; escheat and possibilities of reverter; reversions, vested remainders, and executory interests; contingent remainders; limitations to classes; freehold interests subject to a term; rule in Shelley's Case; future interests in personal property. Construction of limitations. Powers; the rule against perpetuities; illegal conditions and restraints on alienation. Prerequisite: Law 109, Introduction to Real Property. Kales, *Cases on Future Interests.*
5 units, spring quarter (OSBORNE)
Spring, 27

233. Trusts.—The Anglo-American system of uses and trusts. Nature of a trust; other sorts of interests and relations distinguished; the creation, transfer, and extinguishment of trust interests, express, resulting, and constructive; validity of trusts; effect of statutes; charitable trusts; priorities and relative validity of competing equities; importance of the legal title to one claiming adversely to a trust or other equitable interest; remedies of creditors against the trust property; duties of the trustee. Prerequisite: Law 202, Equity. Scott, *Cases on Trusts.*
6 units, spring quarter (ELMORE)
Spring, 75

234. Partnership.—Nature of a partnership, its purposes, and members; creation of partnerships; nature of partner's interest; firm name and goodwill; mutual rights and duties of partners; actions between partners, at law and in equity; powers of partners; liability for acts of partners in contract and tort; general liability of partners; dissolution and notice; consequences of dissolution; dissolution agreements respecting debts; distribution of assets to creditors, and between partners; limited partnerships. Gilmore, *Cases on Partnership.*
4 units, autumn quarter (OWENS)
3 units, summer quarter (BRITTON)
Autumn, 30; summer, 33

235. Mortgages.—All forms of mortgage security, both real and chattel; essential elements of legal and equitable mortgages; legal and equitable

rights, powers and remedies of mortgagor and mortgagee with respect to title, possession, rents and profits, waste, collateral agreements, foreclosure, redemption; priorities; marshaling; extension of mortgages; assignment of mortgages; discharge of mortgages. Case book to be announced.

4 units, summer quarter, first half (8 recitations weekly) (ELMORE)
Summer, 36

236. Bills and Notes.—Negotiability; form and inception, form of bill and of note, acceptance, delivery, consideration, negotiation, transfer, holder in due course; liability of parties, maker and acceptor, drawer and indorser, transferor; discharge; effect of the Negotiable Instruments Law. Smith and Moore, *Cases on Bills and Notes* (summer); Britton, *Cases on Bills and Notes* (winter).

6 units, winter quarter (VERNIER)
Winter, 63

237. Suretyship.—Personal suretyship compared with real suretyship (mortgages, pledges, liens, etc.); suretyship obligations compared with insurance and indemnity obligations; guaranty and other forms of suretyship in relation to the Statute of Frauds; suretyship in transactions involving negotiable instruments; fidelity contracts and judicial bonds; surety's defenses due to original defects in his obligation or to its subsequent discharge; surety's right to subrogation, indemnity, contribution, or exoneration; creditor's right to surety's securities. Ames, *Cases on Suretyship.*

4 units, autumn quarter (ELMORE)
Autumn, 6

238. Municipal Corporations.—Nature; creation, alteration, and dissolution; legislative control; internal organization; powers; liability on contract and for torts; remedies. Beale, *Cases on Municipal Corporations.*

4 units, winter quarter (MORRISON)
Winter, 14

239. Evidence A.—This course deals with certain procedural and substantive law topics commonly considered in connection with evidence though not strictly a part of that subject. They are: judicial notice; functions of court and jury; presumptions; burden of proof; the parol evidence rule including construction of instruments. Thayer, *Cases on Evidence.*

3 units, winter quarter (SHEPHERD)
Winter, 22

240. Taxation.—This course deals with the legal aspects of taxation, including jurisdiction to tax; personal, property, excise, inheritance, and income taxes; assessment; exemptions; obligation of a tax; remedies for illegal taxation. Beale, *Cases on Taxation,* and federal income tax regulations.

4 units, spring quarter (MORRISON)
Spring, 24

[Courses numbered 250 and above are intended primarily for law graduates in their last year of study.]

250. Private International Law I (Conflict of Laws).—A study of the influence which considerations of the jurisdiction of a state and considerations of foreign law have upon the decisions of courts in cases involving events or things or persons under foreign jurisdiction. The study includes particularly questions of the jurisdiction of states and of courts, of the effects of foreign judgments and decrees, of legal domicile, of divorce, and of actions for foreign wrongs. Beale, *Cases on Conflict of Laws* (larger edition).

4 units, autumn quarter (OSBORNE)
Autumn, 40

251. Private International Law II (Conflict of Laws).—A continuation of Law 250. The following topics are treated: property interests, decedent's estates, torts, legal capacity, marriage, marital interests, and contracts. Beale, *Cases on Conflict of Laws* (larger edition).
3 units, winter quarter (OSBORNE)
Winter, 28

252a. Private Corporations I.—The nature of a corporation; promotion of corporations; corporate powers; corporate liability for torts and crimes. Credit deferred until completion of Law 252*b*. Warren, *Cases on Corporations* (2d ed.).
3 units, winter quarter (OWENS)
Winter, 30

252b. Private Corporations II.—Unauthorized corporate action, including doctrines of *de facto* corporations, and *ultra vires* acts; officers, stockholders, and creditors of corporations; reorganization of corporations. Prerequisite: Law 252*a*. Warren, *Cases on Corporations* (2d ed.).
3 units, spring quarter (OWENS)
Spring, 29

253. Code Pleading.—The civil action; splitting and joining actions; the complaint, including the caption, the statement of facts, and the prayer for relief; the answer, including general and specific denials, affirmative defenses and counterclaims; the demurrer; the reply; motions; bills of particulars; amendment and aider; construction of pleadings. Selected cases.
4 units, autumn quarter (CATHCART)
Autumn, 50

254. Evidence I.—Introductory topics. Witnesses: competency; privilege; examination; impeachment; rehabilitation. Certain rules of exclusion; conjectural evidence; character evidence; hearsay. Thayer, *Cases on Evidence.*
3 units, autumn quarter (WHITTIER)
Autumn, 47

255. Evidence II.—The exceptions to the hearsay rule; opinion evidence; real evidence; proof of execution of writings; the "best evidence rule. Prerequisite: Evidence I. Thayer, *Cases on Evidence.*
3 units, winter quarter (WHITTIER)
Winter, 45

Practice.—In this course consideration is given to the procedural problems confronting the lawyer in the commencement and prosecution of a civil action, omitting the subject of pleading which is taught in other courses. The problems are studied as nearly as possible in the order in which they arise in practice. In the third quarter a court is organized and students are given practice in the institution and conduct of a civil action, including preparation and service of notices, etc.; writs, pleadings, the making of motions; argument on law and motion matters, setting case for trial, and trial of an actual case before a jury chosen from members of the first- and second-year classes; appeal, preparation of record and briefs on appeal, and argument on appeal. Also probate and administration proceedings in an estate are conducted.

256. Practice I.—Necessity for a cause of action; statutes of limitation; parties to actions; venue; jurisdiction. Selected cases.
4 units, autumn quarter (OWENS)
Autumn, 45

257. Practice II.—Process; appearance; provisional remedies; motions; trial; verdict; judgment. Prerequisite: Practice I. Selected cases.
4 units, winter quarter (OWENS)
Winter, 34

258. Practice III.—Proceedings subsequent to trial: execution; costs; new trial; appeal. Probate and administrative proceedings. Perequisites: Practice I and II. Selected cases, and "Forms and Suggestions for California Practice."

4 units, spring quarter (OWENS)
Spring, 20

259. Problems of Judicial Administration.—The difficulties of judicial organization and procedure with the remedies adopted or proposed. Special topics such as: sources of procedural law, statutes and rules of court; selection and tenure of judges; court organization; special courts; arbitration and conciliation; the bar; legal aid; costs; simplification of pleadings; rules of evidence; the jury; appeals; uniformity. Primarily for graduate students, but open to well-prepared undergraduates in their fourth year upon obtaining permission from the instructor. Should be preceded when possible by the courses in practice, pleading, and evidence. May not be counted toward a degree in law unless the student previously has obtained credit in Contracts I, II, III, and Torts I, II.

4 units, spring quarter (WHITTIER)
Spring, 11

260. Practice Seminar.—Several special problems not covered in the regular course in Practice will be considered. The problem method is used, each member of the class being assigned problems to work out under the guidance of the instructor. The time assigned for class work is devoted to group and individual consultations. Reports on the various problems are made to the entire group at the final class hours, so that the entire group may be made familiar with the problems taken up. While in general the problems are assigned by the instructor, members of the class may submit problems they may be particularly interested in, and, if approved, may devote their time to their development.

4 units, summer quarter, second half (8 recitations weekly) (OWENS)
Summer, 7

SCHOOL OF LETTERS

Augustus Taber Murray, Professor of Classical Literature, *Chairman of the Council*
Samuel Swayze Seward, Jr., Associate Professor of English, *Secretary of the Council*

ORGANIZATION

The School of Letters includes the following departments and subjects: Classical Literature (with which are at present grouped the courses in Hebrew), English, Germanic Languages, Romanic Languages, and Slavic.

The School is administered through the Council of the School of Letters, composed of those members of the staff of instruction who are also members of the Academic Council.

THE BACHELOR'S DEGREE

High-school students looking forward to entering the School of Letters are urged to begin as early as possible the study of one ancient and one modern language and also to consult the Chairman of the School, either personally or by letter, at any time, with regard to meeting the conditions for entrance.

Students who have completed the work of the Lower Division and propose to make language and literature the principal element in their program for the junior and senior years may, upon furnishing satisfactory evidence of their fitness to do such work, be enrolled as candidates for the bachelor's degree. Two programs of study are available:

I. Those who plan to specialize will elect one of the constituent departments in which to do their major work. Such students should consult the announcement of the department in question for prerequisites and requirements. On Registration Day they will present their credentials to the executive head of the department, or his representative, and will, if accepted as candidates, make out and file, with his approval, a list of studies for the ensuing quarter. On satisfactory completion of the requirements laid down in the announcement of the chosen department, these students will be recommended for the degree of Bachelor of Arts in, for example, English.

II. Students who prefer to range over a somewhat wider field of studies will be permitted, if duly qualified, to enroll as candidates for the degree of Bachelor of Arts in the School of Letters. Applicants for such candidacy will present their credentials to the Chairman of the Council for his approval on Registration Day. They must possess a reading knowledge of one ancient and one modern language represented in the School. In the case of one of these languages the fulfillment of the requirement may be postponed until after entrance into the School, provided that the applicant possesses a reading knowledge of two ancient or two modern languages. Thus, an applicant who offers, for example, either (*a*) French and German, or (*b*) Greek and Latin, can satisfy the requirements for graduation as outlined below, by electing (*a*) English, French, and German, or (*b*) English, Greek, and Latin, but must in addition acquire a reading knowledge of one ancient or one modern language, as the case may be, before the end of the senior year. Successful applicants will enroll with the Chairman, choose an adviser from among the members of the Council, communicate such choice

in writing to the Chairman, and file with him a copy of a program of studies bearing the adviser's endorsement.

Candidates for the degree of Bachelor of Arts in the School of Letters will elect one of the two following schemes of study, either of which, when satisfactorily completed, will entitle the applicant to recommendation for the degree:

A. The student carries on work in a group of at least three literatures represented in the School, attending courses and meeting such tests as are imposed upon all who seek credit for such courses. Thirty units of such credit are required in one literature and fifteen units in each of two others. Only Upper Division courses will be accepted in fulfillment of this requirement, and in these courses only such work will receive credit as involves a reading knowledge of the languages concerned.

B. As an alternative to the course outlined above, students may take the degree of Bachelor of Arts by fulfilling the following requirements:

1. Two years' residence as Upper Division students.
2. At least 30 units of work in courses (freely elected).
3. Passing the following examinations:

a) *Language examinations.*—Examinations (1) in either Greek or Latin, (2) in one modern foreign language. These examinations are on books previously designated and on "unseens." They will test the student's ability to translate accurately and elegantly, and to interpret the passages given. The credit value of these examinations is twenty-four units.

b) *Examination in literature.*—An examination on the history and literature of some well-marked period, such as English literature under Elizabeth. The credit value of this examination is twenty-four units.

c) *Special papers.*—Essays on three authors, one ancient, and two modern, of whom only one shall be English. For the preparation of one of these essays the student will be given at least a month's time; the subjects of the other two will not be given out until three days before the essays are due. A list of the authors chosen must be approved at least one quarter before the examination is taken. The combined credit value of these papers is twelve units.

By the end of his junior year the candidate is expected to have completed enough work (either in courses or by passing examinations) to secure senior standing.

The examining committee will grade the candidates' papers in the usual way and submit the grades to the Registrar's Office. Students taking the degree by examination may receive graduation honors.

Most of the work of preparation for the examinations can be carried on in connection with courses, by doing special reading, submitting essays, etc.; but it should be clearly understood that the examinations are on *subjects*, not courses, and may involve matters not discussed in any course. Further information describing the examinations in greater detail may be obtained from the Chairman of the School.

TEACHERS' CERTIFICATES

No provision is made for granting teachers' certificates in the field of Letters as distinct from the fields covered by the constituent departments. For information regarding requirements, students are referred to the *Announcement of the School of Education.*

BIBLICAL HISTORY AND LITERATURE

DAVID CHARLES GARDNER, Chaplain
HENRY RUSHTON FAIRCLOUGH, AUGUSTUS TABER MURRAY (Classical Literature), HENRY DAVID GRAY (English)

[**New Testament Literature.**—Lectures on the origin, authorship, and characteristics of certain books of the New Testament.—See Classical Literature C36.]

[**English Bible.**—Representative portions of the Bible studied as literature. Not open to first-year students.—See English 24.]

The Background of Christianity.—A study of the development of the religious beliefs and ethical ideals of the Old Testament. A review of the main facts of the life of Jesus as found in the four Gospels and an analysis of the principles of Christian ethics.
2 units, autumn and winter quarters (GARDNER) TTh 11
Autumn, 34; winter, 43

CLASSICAL LITERATURE

HENRY RUSHTON FAIRCLOUGH, JEFFERSON ELMORE, BENJAMIN OLIVER FOSTER, AUGUSTUS TABER MURRAY, Professors
ERNEST WHITNEY MARTIN, Associate Professor
RUTH WENTWORTH BROWN (University of Southern California), Acting Assistant Professor (Summer Quarter)
HERBERT H. POWELL, Lecturer
HAZEL DOROTHY HANSEN, COLLICE HENRY, Assistants in Instruction

The Department of Classical Literature has for its aim the interpretation in the broadest sense of the civilizations of Greece and Rome. It accepts as major students those who desire training in Greek and Latin as a preparation for graduate work either in this University or elsewhere, or who wish to secure teachers' certificates in the classical languages, and also those who, without intending to specialize in Greek or in Latin, wish to make their work in the University conform to the traditional arts course. The student is free to make his major work Greece or Latin at will.

Students who have had no Greek before entering the University may begin their study of the language in any quarter in introductory courses which are open to students in all departments of the University. Students who offer Greek on entrance will be registered in classes adapted to their needs.

In addition to the courses in the Greek and Latin languages, the department offers courses in Classical Literature, History, Archaeology, Art, and allied subjects, which, as indicated below, may be taken by major students as a part of their required work, but which presuppose no knowledge of the Greek and Latin languages, and are open, unless otherwise stated, to students in all departments of the University.

The department offers three majors with a normal requirement of forty-five credit units, as follows (1) Classical Literature, Greek; (2)

Classical Literature, Latin; and (3) Classical Literature. For the first of these the student must have completed thirty units in courses in the Greek language plus fifteen units in the general courses offered by the department; for the second, thirty units in courses in the Latin language (beyond Course B3) plus fifteen units from the general courses; and for the third, either thirty units in courses in the Greek language plus fifteen units in Latin, or thirty units in Latin plus fifteen units in Greek.

The completion of the major requirements for graduation carries with it the department recommendation for the teacher's certificate, provided that the Teachers' Course in the language chosen has been included in the work offered. Students in other departments who wish to secure a teaching major or minor in Latin or Greek should consult some member of the department.

A. GREEK COURSES

A1. Elementary Greek.—Introduction to Greek through Attic prose. Essential forms; elements of Greek syntax; word-lists from Xenophon; writing of simple sentences; dictation; reading of easy Greek prose.
5 units, each quarter (MURRAY, MARTIN, HANSEN) MTWThF 8
Autumn, 14; winter, 6; spring, 11; summer, 6

A2. Reading of Simple Greek.—Review of Greek Grammar with reading of selections. Open to those who have had A1, or an equivalent.
3 or 5 units, winter and summer quarters (MARTIN, BROWN)
Winter, 12 (2 sections); summer, 2

A3. Xenophon.—Reading of selections from Xenophon and of Cebes' *Tablet.*
3 units, spring quarter (MARTIN) MWF 8
Spring, 7

A4. Introduction to Homer.—Rapid reading of selected books of the *Odyssey.*
3 units, autumn and summer quarters (MURRAY) MWF 9
Autumn, 5; summer, 3

A4b. Homer (continued).—Further reading of *Iliad* and *Odyssey,* with discussions of Homeric topics.
3 units, winter quarter (MURRAY, HANSEN)
Winter, 5

A5. Plato.—Systematic review of Greek syntax; practical exercises written and oral; reading of Plato's *Apology* and *Crito.*
5 units, spring quarter (MARTIN) [Not given in 1926–27]

A13. Individual Work.—Students and instructors meet each week for free reading in Greek suited to the needs of the individual.
1 to 3 units, each quarter (FAIRCLOUGH, MURRAY, MARTIN, HANSEN) Byarrangement
Autumn, 16 (2 groups); winter, 4; spring, 13 (3 groups)

A14. Prose Composition.—Exercises adapted to the particular needs of the individual student.
2 units, each quarter (FAIRCLOUGH, MURRAY, MARTIN, HANSEN) By arrangement
Autumn, 3; winter, 4; spring, 8 (2 groups)

A15. Rapid Reading.—Lucian's *Vera Historia* and selected orations of Lysias. Open to those who have had A4, or an equivalent.
2 units, autumn quarter (MARTIN) [Not given in 1926–27]

[NOTE.—Three courses (9 or 15 units) chosen from the above with reference to the student's taste and preparation constitute the first year's work in Greek for those who have had no Greek before entering college, and may be counted toward the fulfillment of the foreign-language requirement of the Lower Division. Where possible it is strongly urged that this work be accomplished during the first two years of residence, especially by those who plan to become Greek majors in Classical Literature.]

A50. Greek Historians.—Selections from Herodotus; Thucydides, Book VI; *Xenophon, Hellenica;* Study of the Greek Historians. Open to those who have had A3, or an equivalent.
3 units, autumn quarter (MARTIN) MWF 9
Autumn, 4

A52. Introduction to Greek Poetry.—Selections from the Greek Lyric Poets. Open to those who have had A50, or equivalent.
3 units, winter quarter (MARTIN) [Not given in 1926–27]

A53. Rapid Reading.—Selections from the Greek *Anthology* and *Bacchylides.* Open to those who have had A50, or equivalent.
2 units, winter quarter (MARTIN) [Not given in 1926–27]

A54. Introduction to Greek Tragedy.—Euripides' *Alcestis* and Sophocles' *Antigone.* Open to those who have had A52, 53, or equivalent.
3 units, winter quarter (MURRAY) [Not given in 1926–27]

A55. Greek Comedy.—Selections from Aristophanes and Menander.
2 units, spring quarter (MARTIN) By arrangement
Spring, 4

[NOTE.—Courses A50–55 (9 or 15 units) constitute the second year's work in Greek for those who begin their Greek in the University.]

A101. Æschylus.—Reading of *Agamemnon;* lectures.
3 units, autumn quarter (FAIRCLOUGH) MWF 10
Autumn, 3

A102. Plato.—Reading of the *Republic,* Books I and II; lectures.
3 units, winter quarter (FAIRCLOUGH) MWF 10
Winter, 7

A103. Demosthenes.—Reading of the *De Corona;* sight translation of *Æschines against Ctesiphon.*
3 units, winter quarter (MURRAY) [Not given in 1926–27]

A110. Theocritus.—Reading of the idylls in Greek and a survey of pastoral poetry in ancient and modern literature.
2 units, spring quarter (FAIRCLOUGH) TTh 10
Spring, 7

A111. Pausanias.—Reading of Book I and selections from other Books. Study of the Topography and Monuments of Athens, Delphi, Corinth, and Olympia.
2 units, autumn quarter (MARTIN) [Not given in 1926–27]

A112. Later Greek Epic.—Rapid reading in the *Argonautica* of Apollonius Rhodius, and the *Posthomerica* of Quintus Smyrnæus.
2 units (MARTIN) [Not given in 1926–27]

A113. Thucydides.—Books I and II.
3 units, winter and spring quarters (FAIRCLOUGH) MWF 1
Winter, 2; spring, 3

A200. Teachers' Course.—Lectures on methods, with practical training.
22 units, spring quarter (MARTIN) [Not given in 1926–27]

A201. Greek Epigraphy.—Lectures with the reading of important historical inscriptions.
2 units (MARTIN) [Not given in 1926–27]

A220. Modern Greek.—Grammar (Rangabe); reading of easy texts.
2 units, winter and spring quarters (FAIRCLOUGH, MARTIN) [Not given in 1926–27]

A250 (B250). Journal Club.—Advanced major students meet each week for the discussion of journals and new books of interest to classical students.
1 unit, winter and spring quarters (FAIRCLOUGH) [Not given in 1926–27]

A280. Greek Seminar.—Graduate students and advanced major students meet each week for the reading of Euripides and the discussion of papers and reports presented by the members.
1 to 4 units, autumn, spring, and summer quarters (MURRAY) By arrangement
Autumn, 4; spring 2; summer, 4

A280b. Greek Seminar.—The plays of Sophocles.
4 units, winter quarter (FAIRCLOUGH) TTh 2–4
Winter, 4

A290 (B290).—Thesis work.
(ALL MEMBERS OF THE DEPARTMENT FACULTY) By arrangement
Autumn, 1; winter, 1

B. LATIN COURSES

B1. Introduction to Latin.—Grammar and exercises. For students who have had no Latin. May be taken (with B2–B6) in fulfillment of the foreign-language requirement of the Lower Division.
5 units, autumn quarter (HENRY, BROWN) MTWThF 1
Autumn, 8; summer, 6

B2. Introduction to Latin (continued).—Reading of easy prose, exercises in composition, Caesar begun.
5 units, winter quarter (HENRY) MTWThF 1
Winter, 7

B3. Introduction to Latin (concluded).—Caesar's *Gallic War,* Books I–IV, or selections from the Gallic and Civil Wars; exercises in composition.
5 units, spring quarter (HENRY) MTWThF 1
Spring, 3

B4. Cicero.—Selected *Orations.* Open to students who have had two years of high-school Latin. May be taken (with B5 and B6) in fulfillment of the foreign-language requirement of the Lower Division.
3 units, autumn and summer quarters (ELMORE, BROWN) MWF 11
Autumn, 11; summer, 2

B5. Virgil.—Selected books of the *Aeneid.* Open to students who have had two years of high-school Latin.
3 units, winter quarter (FOSTER) MWF 9
Winter, 3

B6. Ovid.—A continuation of B5, but may be taken by any student who has had two years of high-school Latin.
3 units, spring quarter (HENRY) MWF 9
Spring, 9

B13. Individual Work.—Suited to the needs of the individual.
2 to 3 units, each quarter (ELMORE, FAIRCLOUGH)
Spring, 1; summer, 1

B14. Terence and Cicero.—The *Andria* of Terence and the *De Senectute* of Cicero. Open to those who have had three years of high-school Latin or have taken B4–6.
4 units, autumn quarter (FOSTER) MTWTh 9
Autumn, 10

B15. Horace.—Selections from the *Odes* and *Epodes.* Open to those who have had three years of high-school Latin or have taken B4–6.
3 units, winter quarter (ELMORE) MWF 9
Winter, 10

B16. Catullus and Tibullus.—Open to those who have had three years of high-school Latin or have taken B4–6.
3 units, spring quarter (FOSTER) MWF 9
Spring, 11

B29. Prose Composition.—The exercises are not based on a Latin text, but are drawn from present-day affairs and events, with the aim of imparting some facility in original composition. Open to those who have had three years of high-school Latin, or have taken courses B4–6.
2 units, autumn quarter (ELMORE) TTh 9
Autumn, 5

B40. Horace.—*Satires* and *Epistles.* Attention is directed especially to the style and subject-matter, to Horace's influence on Latin literature, and to the salient features of the Augustan Age. Open to those who have had B14–16, or an equivalent.
3 units, autumn quarter (FOSTER) MWF 10
Autumn, 3

B41. Tacitus.—*Annals* XIII–XVI. The life and times of the Emperor Nero. Open to those who have had B14–16, or an equivalent.
3 units, winter quarter (FOSTER) MWF 8
Winter, 5

B42. Justinian.—The *Institutes* are read and discussed. Of special value to students of law and social institutions.
2 units, winter and spring quarters (FAIRCLOUGH) [Not given in 1926–27]

B103. Cicero.—Selections from the correspondence of Cicero, illustrative of the man and his age. Open to those who have had two years of college Latin.
3 units (FOSTER) [Not given in 1926–27]

B116. Lucretius.—Selections from the *de Rerum Natura,* with informal discussions of the Epicurean philosophy and the art of Lucretius.
4 units, winter quarter (FOSTER) MTWTh 11
Winter, 10

B118. Seneca and Pliny.—Selections from the essays of Seneca and the letters of the younger Pliny.
3 units (FOSTER) [Not given in 1926–27]

B124. Juvenal and Martial.—The first, third, and tenth satires of Juvenal, and selected epigrams of Martial. Open to those who have had two years of college Latin.
3 units, summer quarter (ELMORE) MWF 8
Summer, 8

B129. Latin Prose Composition.
2 units, winter quarter (ELMORE) By arrangement
Winter, 2

B136. Roman Comedy.—The *Captivi* and *Rudens* of Plautus, and either the *Trinummus* of Plautus or the *Phormio* of Terence. Open to those who have had two years of college Latin.
3 units (FOSTER) [Not given in 1926–27]

B137. Terence.—Several of the comedies are read in class, and the instructor lectures on Terence and his place in the development of comedy. Open to those who have had two years of college Latin.
3 units, autumn quarter (FAIRCLOUGH) [Not given in 1926–27]

B138. Petronius and Apuleius.—The *Cena Trimalchionis* and selections from the *Metamorphoses.*
4 units, spring quarter (FOSTER) MWThF 11
Spring, 5

B145. Medieval Latin.—Reading of representative texts with informal discussions. Intended for Latin students interested in the later development of

the language and for students of English and history working in the medieval field.
3 units, spring quarter (ELMORE) [Not given in 1926–27]

B200. Teachers' Course.—Lectures and conferences on methods of teaching Latin. Open only to advanced students.
2 units, spring quarter (ELMORE) TTh 11
Spring, 7

B225. Latin Epigraphy.—Lectures, with practice in the reading of inscriptions and in the use of the Corpus. Primarily for graduate students.
2 units, autumn quarter (FAIRCLOUGH) MW 11
Autumn, 4

B230. Latin Palaeography.—The ancient and the medieval book, with practical exercises in the reading of facsimiles.
2 units, winter quarter (FOSTER) [Not given in 1926–27]

B250 (A250). Journal Club.
[Not given in 1926–27]

B278. Latin Seminary.—Caesar's *Commentaries on the Gallic War* is used as the basis of an introduction to the methods of text-criticism and interpretation. Practice in the decipherment and collation of MSS. from facsimiles and in the use of the *apparatus criticus*. Open to qualified graduates.
4 units, autumn quarter (FOSTER) TTh 2:30
Autumn, 3

B279. Latin Seminary.—The first decade of Livy. An introduction to the study of Livy's style, with some practice in text-criticism and interpretation. Open to qualified graduates.
4 units (FOSTER) [Not given in 1926–27]

B280. Latin Seminary.—The second half of the *Annals* of Tacitus is studied with special emphasis on style. Open to qualified graduates.
4 units (FOSTER) [Not given in 1926–27]

B281. Latin Seminary.—Study and interpretation of the *Satires* and *Epistles* of Horace.
4 units, spring quarter (FAIRCLOUGH) By arrangement
Spring, 4

B282. Latin Seminary.—The elegiac poets. Lectures on the development of elegiac poetry among the Greeks and Romans; reading and interpretation of the elegiac poems of Catullus, Tibullus, and Propertius. Open to qualified graduates.
4 units (FOSTER) [Not given in 1926–27]

B283. Latin Seminary.—The Eclogues and Georgics of Virgil.
4 units, spring quarter (FAIRCLOUGH) [Not given in 1926–27]

B284. Latin Seminary.—Study of Roman municipal institutions. Based on the extant fragments of municipal charters, the Municipal Law of Julius Caesar and other inscriptions, and the literary sources. Intended for students of Latin and others interested in the history of institutions.
3 units, summer quarter (ELMORE) MWF 2
Summer, 4

B286. Latin Syntax.—Considered in reference to its historical development with some attention to its relation to the Romance languages.
2 units, summer quarter (ELMORE) TTh 3
Summer, 3

B290 (A290). Thesis Work.
By arrangement

C. GENERAL COURSES

C1. History of Greece.—Outline course, from the earliest period to 30 B. C. Preliminary survey of the Mediterranean background. Open to all students.
3 units, autumn quarter (ELMORE) MWF 8
Autumn, 89

C2. Greek History A.—From the earliest times to the end of the Persian wars. Lectures, with a study of Herodotus in English translation.
3 units, autumn quarter (MARTIN) [Not given in 1926–27]

C3. Greek History B.—The Fifth Century. From the end of the Persian wars to the fall of the Athenian empire. Lectures, with a study of Plutarch and Thucydides in English translations.
3 units, winter quarter (MARTIN) [Not given in 1926–27]

C4. Greek History C.—The Fourth Century. From the fall of Athens to the death of Alexander. Lectures, with a study of Xenophon, Plutarch, Demosthenes, and Arrian in English translations.
3 units, spring quarter (MARTIN) [Not given in 1926–27]

C5. History of Rome.—From the earliest times to the fall of the Western Empire. Development of Roman imperialism and the relation of the Empire to medieval and modern history. Open to all students.
3 units, spring quarter (ELMORE) MWF 8
Spring, 63

C6. History of Roman Civilization.—Study of the conditions of Roman life and comparisons with those of our own. Features of Roman civilization that have survived and influenced the present. Open to all students.
3 units, winter and summer quarters (ELMORE) MWF 8
Winter, 54; summer, 24

C8. Roman Political and Municipal Institutions.—Brief survey of the government of Rome. Development of municipalities in the Roman Empire.
2 units, winter quarter (ELMORE) TTh 10
Winter, 42

C9. The Greek Heritage.—A rapid survey of various phases of Greek civilization with some reference to the survivals of Greek culture in our own life and thought.
2 units, autumn quarter (MARTIN) [Not given in 1926–27]

C20. Greek Literature, Poets.—Lectures; reading in translations of selections from the greater Greek poets with some reference to their influence on later literature. Open to all students.
3 units, autumn quarter (MARTIN) MWF 11
Autumn, 60

C21. Greek Literature, Poets.—(Continued.)
3 units, winter quarter (MARTIN) MWF 11
Winter, 65

C22. Greek Literature, Prose Writers.—Lectures; reading in translations of selections from Herodotus, Thucydides, Xenophon, Plato, Demosthenes, Plutarch, and Lucian. Open to all students.
3 units, spring quarter (MARTIN) [Not given in 1926–27]

C24. The Greek Epic.—Lectures on the poetry of Homer, with reading of both *Iliad* and *Odyssey* in English. Open to all students.
3 units, autumn quarter (MURRAY) MWF 8
Autumn, 116

C25. Greek Tragedy.—Lectures on the art of tragedy among the Greeks, with the study of selected plays in translation. Open to all students.
3 units, winter quarter (MURRAY) [Not given in 1926–27]

C28. Greek Masterpieces.—Lectures on the Greek spirit as expressed in various fields: (a) The *Odyssey;* (b) a Pindaric Ode; (c) Greek tragedy; (d) the Greek temple; (e) the sculptured form.
3 units, summer quarter (MURRAY) MWF 8
Summer, 28

C36. New Testament Literature.—Lectures on the origin, authorship, and characteristics of the books of the New Testament. Open to all students.
3 units, spring quarter (MURRAY) MWF 8
Spring, 49

C37. Roman Literature of the Republic.—The chief poets and prose writers of republican Rome. Lectures and assigned readings in English translations. Open to all students.
2 units, winter quarter (FOSTER) TTh 8
Winter, 27

C38. Roman Literature of the Empire.—Certain of the more important writers of the Augustan and post-Augustan periods. Lectures and assigned readings in English translations. Open to all students.
2 units, spring quarter (FOSTER) TTh 8
Spring, 28

C39. Pro-Seminary in Ancient History.—Survey of the principal sources for Greek and Roman History. Open to a limited number of qualified students.
3 units, spring quarter (ELMORE) TTh 2:05–3:30
Spring, 5

C41. Greek and Roman Lyric Poetry.—Lectures with assigned reading in English translations. Open to students above the first year.
2 units, spring quarter (FAIRCLOUGH) By arrangement
Spring, 1

C44. Greek Myths.—The more important myths and legendary characters of early Greece are traced through Greek literature with some reference to their treatment in later literature. Lectures with assigned reading. Open to all students.
3 units, spring quarter (MARTIN) MWF 11
Spring, 112

C45. Plutarch, the Greek Lives.—In English.
2 units, winter quarter (MARTIN) [Not given in 1926–27]

C46. Plutarch, the Roman Lives.—In English.
2 units, spring quarter (MARTIN) TTh 11
Spring, 121

C48. Greek and Roman Aesthetics.—Based chiefly on selections from the *Republic* and the *Phaedrus* of Plato, Aristotle's *Poetics,* and the *Ars Poetica* of Horace. An attempt to show what Greek and Roman writers contributed to aesthetic theory and to illustrate some of their principles of literary criticism. Open to upper-classmen and to others on permission of the instructor.
2 units, autumn quarter (ELMORE) MW 2:05–3:05
Autumn, 3; summer, 12

C50. Classical Art and Archaeology.—Lectures, illustrated with photographs and lantern slides. Open to all students.

a. Greek
2 units, autumn quarter (FAIRCLOUGH) TTh 11
Autumn, 43

b. Roman
2 units, winter quarter (FAIRCLOUGH) TTh 11
Winter, 27

D. HEBREW COURSES

D1. Elementary Hebrew.—Introduction to Hebrew Grammar, word lists, verbs and nouns from strong roots, reading and analysis of the first chapter of Genesis.
2 units, winter and spring quarters (Powell) TTh 2:05
Winter, 3; spring, 2

D2. Elementary Hebrew (continued).—The weak verb. Vocabularies. Reading and analysis of Genesis, chapters 2–4.
2 units, spring quarter (Powell) TTh 2:05
Spring, 1

D102. Biblical Aramaic.
2 units, spring quarter (Powell) TTh 1–2
Spring, 1

D103. Advanced Hebrew.—General survey of grammar. Reading of Genesis, chapters 5–8, and other prose sections.
2 units, autumn and *winter quarters (Powell) TTh 3:05
Autumn, 4; winter, 3

D104. Advanced Hebrew (continued).
2 units, spring quarter (Powell) TTh 3:05
Spring, 2

ENGLISH

Melville Best Anderson, Professor Emeritus

William Dinsmore Briggs, William Hawley Davis (Editor, University Press), Henry David Gray, Albert Guérard (General Literature), Professors
Hardin Craig (University of Iowa), Acting Professor (Summer Quarter)
†Howard Judson Hall, Arthur Garfield Kennedy, Frances Theresa Russell, Samuel Swayze Seward, Jr., Associate Professors
Margery Bailey, Edith Ronald Mirrielees, Assistant Professors
Anna Bille, Acting Assistant Professor
Frederick H. Lape, Earl Harry McEuen, Lu Emily Pearson, Franklin Prescott Rolfe, Instructors
John McClelland, Acting Instructor
Mary Yost (Dean of Women), Lecturer

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

1. The courses ordinarily prescribed in the major subject include Chaucer, Shakespeare (Courses 25 and 159), the advanced courses (181, 182, 183, 184, 185) in the history of English literature (five quarters), and an advanced course in either Spenser, Milton, Wordsworth, or Browning, besides such preliminary courses in composition, vocal expression, or literature as may be advised in individual cases. In the advanced courses in English literature one of the two following substitutions may be made by special permission: (*a*) for Course 182, the course in Elizabethan Drama (170); or (*b*) for Course 183, the course in Modern English Fiction (168). Further, for Course

† Absent on leave 1926–27.

185, two or more of the Courses 21, 22, 23 may be substituted, if taken before the junior year. (For the requirements in the case of students making English and Public Speaking their major subject, see below under the Division of Public Speaking.)

2. Each student is required also to pursue work in one foreign language and literature sufficiently to obtain (*a*) a practical reading knowledge of the language, and (*b*) some acquaintance with its most important literature. Students should be sure that their language studies are so planned as to accomplish these ends. The requirement is not primarily a matter of formal credit-hours, but ordinarily demands a minimum of 24 units of college work, aside from elementary courses (two years in the high school or one in the university). Introductory courses in Latin and Greek, if pursued in the university, will be counted as college work. Those who make Latin or Greek their principal language are advised, in general, to include two years of work in a modern language among their elective studies; and those who have chosen a modern language are encouraged to include among their elections two years of work in Latin or Greek.

3. A course in English history is also prescribed for those who have not had a separate course in the subject in the high school. It should be taken before the junior year.

Certain courses (such as 21 and 168, 14, 23, and 27), which cover more or less of the same ground, may not be elected by the same student without consultation with the instructors.

GENERAL AND COMPARATIVE LITERATURE

Besides courses in English and American literature the English department offers courses in general literature, as follows: 15, 24, 139, 167, 169, 171, 196*b*, 196*c*, 197, 203, 204, 206, 207, 208. In these courses the language of instruction is English, and the reading may be done in English. But the field of study is not limited by linguistic or national boundaries. It comprises: (1) literary problems of a general character, (2) the mutual influences of national literatures, and (3) masterpieces of world literature. The following courses, given in English by other departments, afford a survey of world literature: Classical Literature courses in Group C; Germanic Languages 193; Romanic Languages A140, C140, C150, E202, E209; Slavic Literature C1, C2, C100, C101.

THE TEACHERS' RECOMMENDATION

Students wishing to obtain certificates entitling them to teach in the junior high schools or the high schools of California should consult the *Announcement of the School of Education*. In that pamphlet are set forth not only the general requirements laid down by the State Board of Education, but also the specific requirements on the basis of which properly qualified students may apply for the recommendation in English, as a major or a minor subject.

ADVANCED DEGREES

The candidates for the degree of Master of Arts in English must have (1) the equivalent of the requirements for the degree of Bachelor of Arts in English, (2) an elementary knowledge of Old English, (3) a reading knowledge of two foreign languages (preferably one ancient and one modern).

The work for the degree must occupy at least one full year of graduate study in residence, the greater part in English, the remainder in related fields. The courses in English will be divided between the earlier and later periods. A thesis prepared under the direction of a member of the department must be presented by the candidate, demonstrating his power of concentrated, independent study; this thesis may be accepted in lieu of not more than nine units of work. In addition, he will be given a general examination on English literature.

Courses numbered between 100 and 190 may sometimes be taken by graduate students for graduate credit, provided the instructor in such a course assigns to the student in question additional work of a genuinely graduate character.

For the conditions for acquiring the degree of Doctor of Philosophy see pages 143–45.

LOWER DIVISION COURSES

A. Elementary Composition.—A one-quarter course required of all first-year undergraduates who do not pass the matriculation test in English.

1 unit, any quarter (Bailey and Others) TThS 8; MWF 8, 9, 1:05
Autumn, 79 (4 sections); winter, 115 (6 sections); spring, 69 (4 sections)

[For each student in Course A, except those who meet the requirement within a short time, a fee of $10 is charged.]

2. English Composition.

a) Narration and Description.
b) Exposition.

3 units, any two quarters (Seward, Yost, Bailey, Pearson, Lape Rolfe, McClelland, McEuen) MWF 8, 9, 10, 11, 1:05; MTW 9; TThS 9
Autumn, 499 (17 sections); winter, 426 (17 sections); spring, 347 (14 sections); summer, 34 (2 groups)

9a. American Literature.—To the Civil War. (See under 9*b*.)

4 units, winter quarter (Davis) MTWF 11
Winter, 32

9b. American Literature.—From the Civil War to the present. Not open, except by special permission, to students having entrance credit in American literature. Open to seniors only with reduced credit.

3 units, winter quarter (Hall) [Not given in 1926–27]

10. English Masterpieces.—A study of representative works of important English writers. (*a*) Writers before 1700 (3 units); (*b*) Writers of the eighteenth and nineteenth centuries (5 units). Open to others than first- or second-year students only with reduced credit. Not open to those who intend to major in English.

3 or 5 units, any quarter (Bailey, Lape, McClelland, Pearson, Rolfe) (*a*) MTW 11; (*b*) MTWThF 9, 10
Autumn, 137 (2 sections); winter, 80 (2 sections); spring, 100 (2 sections); summer, 77

11. Introduction to Poetry.—A study of the nature, methods, and forms of poetry, with exercises in analysis and interpretation. Open to students of all departments; if seniors, only with reduced credit. Courses 11 and 18 may not both be counted by the same student.

4 units, autumn quarter (Seward) MTThF 11
Autumn, 39

12. Introduction to Essay Reading.—Essays, chiefly recent, designed to form a stimulating approach to this type of literature.

3 units, autumn and summer quarters (Russell) MWF 9
Autumn, 22; summer, 16

13. Biography.—A study of biographies and memoirs, with written reports. Limited to Lower Division students.
3 units, spring quarter (MIRRIELEES) MWF 8
Spring, 36

14. Tennyson.—A study of portions of Tennyson's poems, illustrating the growth of his literary art; designed for Lower Division students, and open to others by permission only.
4 units (HALL) [Not given in 1926–27]

15. Introduction to General Literature.—Its field, problems, and methods.
3 units, winter quarter (GUÉRARD) MWF 9
Winter, 58

18. Types of Poetry.—An introduction to English narrative and lyric poetry considered in respect to content, form, and the nature of its appeal. Courses 11 and 18 may not both be counted by the same student.
4 units, spring quarter (HALL) [Not given in 1926–27]

21. Victorian Novelists.—A study of the more important Victorian novelists. Courses 21, 22, and 23 are not open to students who expect to major in English. Not more than one of them may be counted toward a degree if Course 185 is also counted.
4 units, autumn quarter (SEWARD) [Not given in 1926–27]

22. Victorian Prose.—A study of the more important Victorian prose writers other than novelists. See under Course 21.
3 units, autumn quarter (SEWARD) [Not given in 1926–27]

23. Nineteenth-Century Poets.—A study of the more important English poets of the period that includes Tennyson and Swinburne. See under Course 21.
3 units, winter quarter (SEWARD) MWF 10
Winter, 13

24. English Bible.—Representative portions of the Old Testament studied as literature.
3 units (GRAY) [Not given in 1926–27]

25. Shakespeare.—An introduction to Shakespeare, with rapid reading of most of the plays, in chronological sequence. Open to all students; continued in Course 159.
4 units, autumn and spring quarters (BAILEY) MWThF 10
Autumn, 92; spring, 101

27. Browning.—An introductory course open to all students.
4 units (RUSSELL) [Not given in 1926–27]

ADVANCED COURSES

[Unless otherwise specified, the following courses are open to third-year and fourth-year students of all departments.]

101. Chinese Civilization.
2 units, spring quarter (BILLE) TTh 11
Spring, 50

130. Advanced Composition.—A course intermediate between the elementary and the more specialized branches of writing. Practice in various forms, with formulated criticism and illustrative reading.
4 units, autumn quarter (RUSSELL) MTWF 10
Autumn, 34

131. Exposition.—An advanced course, intended primarily for students preparing for scientific and professional work. Special attention will be

given to students preparing theses or other papers. Prerequisite: Course 2 or an equivalent.
3 units, winter quarter (SEWARD) TTh 10
Winter, 26

132. Argumentation.—[See under Division of Public Speaking. The course is strongly commended to all English and other students.]

134. Dramatic Composition.—The principles of dramatic writing developed in connection with the student's own work. Enrollment limited; students must submit specimens of their work in advance.
3 units, winter and spring quarters (GRAY) By arrangement
Winter, 5; spring, 8

135. Verse Writing and Prosody.—Practical exercises in lyric composition, with illustrative study of modern poets.
3 units (SEWARD) [Not given in 1926–27]

136. Short-Story Writing.—A study of the structure of the short story, with practice in story writing. Open by permission to qualified upperclassmen.
3 units, winter and spring quarters (MIRRIELEES) MTW 9
Winter, 29; spring, 18

137. Essay Writing.—Preparation of magazine articles, criticisms and papers of both informal and analytical character. Prerequisite: Course 2.
3 units, summer quarter (RUSSELL) MWF 10
Summer, 18

138. Narrative Writing.—Open by permission to students who have completed Course 136.
4 units, winter quarter (MIRRIELEES) By arrangement
Winter, 2

139. Directed Reading.—Eight hours of reading weekly, with informal reports and discussion. The course furnishes an opportunity for students to read books which are not assigned in connection with their other courses. Open to a limited number of upper-class students from other departments; not to English major students. May not be taken for more than two quarters.
2 units, autumn, winter, and spring quarters (SEWARD and OTHERS) By arrangement
Autumn, 79 (12 sections); winter, 77 (12 sections); spring, 81 (13 sections)

154a. The Short Story.—A history of the development of the short story in English.
4 units, winter quarter (MIRRIELEES) MTWTh 10
Winter, 40

154b. The Short Story.—A study of the contemporary short story. Prerequisite: Course 154*a*.
3 units, spring quarter (MIRRIELEES) MTW 10
Spring, 14

156. Ballads.—Lectures and reports on the origin, sources, and characteristics of the English and Scottish popular ballads. Class limited to sixteen.
3 units, winter quarter (BAILEY) MWF 11
Winter, 8

158. Chaucer.—An elementary course, including an outline of Middle-English grammar.
3 units, autumn quarter (KENNEDY) MWF 10
Autumn, 43

159. Shakespeare.—A continuation of Course 25, devoted to a more intensive study of a few plays. Designed primarily for English major students in their third year; open to others on recommendation from Course 25.
3 units, winter and summer quarters (Gray) MWF 10
Winter, 64; summer, 1

160. Spenser.
4 units, autumn quarter (Briggs) TWThF 1:05
Autumn, 24

161. Milton.
3 units (Briggs) [Not given in 1926–27]

162. Wordsworth.
3 units (Hall) [Not given in 1926–27]

163. Browning.—*The Ring and the Book* and a selection from the dramas and longer poems (the shorter poems being studied in Course 27).
4 units, spring quarter (Seward) MTWF 10
Spring, 49

164. Carlyle.—A study of his essays, histories, and other works.
4 units, autumn quarter (Davis) MTWF 9
Autumn, 6

165. Emerson.—A study of his essays and poems.
3 units, spring quarter (Davis) TThF 9
Spring, 2

167. The Arthurian Legends.—Their origin and literary utilization from early times to the present.
3 units, autumn quarter (Davis) TThF 2
Autumn, 2

168. The English Novel.—The history of English prose fiction from DeFoe to the greater novelists of the nineteenth century.
4 units (Briggs) [Not given in 1926–27]

169. The Later European Novel.—Lectures on European and American fiction from 1856 to the present time, with the reading of representative novels and reports upon them. Open to third-year and fourth-year students of all departments.
3 units, winter and spring quarters (Gray) MWF 11
Winter, 24; spring, 29

170. The English Drama to 1642.—The beginnings and development of the drama, with a special study of the greater Elizabethan dramatists.
4 units (Briggs) [Not given in 1926–27]

171. Later European Drama.—A study of Ibsen and of subsequent dramatists. Open to third-year and fourth-year students of all departments.
5 units, summer quarter (Gray) MTWThF 11
Summer, 50

173. Contemporary Poetry.—A survey of English and American poetry since 1890, with especial attention to the poetic revival of the present time.
3 units (Gray) [Not given in 1926–27]

174. The Earlier English Essay.—A study of the essay as a type, from Bacon to the nineteenth century.
3 units (Russell) [Not given in 1926–27]

175. The Later English Essay.—A continuation of Course 174, extending from the middle of the nineteenth century to the present.
3 units (Russell) [Not given in 1926–27]

181. Medieval Literature, with special reference to Middle English.—The course will serve as a general introduction to medieval European

literature, which is studied by types: romances, histories, lyrics, fabliaux, etc. This course is continued in Romanic Languages E209.
4 units, autumn quarter (KENNEDY) MWThF 11
Autumn, 47

182. English Literature from 1557 to 1660, exclusive of the Drama.
4 units, winter and summer quarters (BRIGGS, CRAIG) TWThF 1:05; MWThF 11
Winter, 42; summer, 20

183. English Literature from 1660 to 1780.
4 units, autumn and summer quarters (BAILEY) MWThF 9
Autumn, 35; summer, 23

184. English Literature from 1780 to 1832.
4 units, winter quarter (SEWARD) MTWTh 9
Winter, 55

185. English Literature from 1832 to 1900.—Not open to those who have taken two or more of the courses in Victorian literature, 21, 22, and 23.
4 units (SEWARD) [Not given in 1926–27]

186. Criticism of Recent Literature.—Practical analysis and valuation; book reviews and discussions. Limited to eight seniors, admitted from any department on recommendation.
3 units (RUSSELL) [Not given in 1926–27]

GRADUATE AND UNDERGRADUATE COURSES

190. American Poetry.—A study of the greater American poets with especial reference to American social conditions.
4 units (HALL) [Not given in 1926–27]

191. Essay Writing (advanced course).—An opportunity for the crystallizing and formulating of opinion on such subjects as education, government, recreation, art, and personal relationships. Open only on consultation with the instructor.
3 units (RUSSELL) [Not given in 1926–27]

192. Old English.—Elements of Old English grammar, with reading exercises.
4 units, winter quarter (KENNEDY) MWThF 9
Winter, 14

193. English Literature and Political Thought.
4 units, summer quarter (BRIGGS) TWThF 1:05
Summer, 20

194. History of English Criticism.—A study of critical theory from the Renascence to the nineteenth century.
3 units, summer quarter (BRIGGS) By arrangement
Summer, 16

195. The Bible in Early English.—Lectures, with readings in translation.
3 units, spring quarter (KENNEDY) MWF 9
Spring, 6

196a. Problems and Methods of General Literature: Literature and Civilization.
3 units, summer quarter (GUÉRARD) MWF 8
Summer, 19

196b. Problems and Methods of General Literature: Types of Criticism.—In this and in Course 196*c* a reading knowledge of one or more modern Continental languages is desirable, but not indispensable.
3 units, autumn quarter (GUÉRARD) MWF 3
Autumn, 19

196c. Problems and Methods of General Literature: The Doctrine of Art for Art's Sake.—(See under Course 196*b*.)
3 units, spring quarter (GUÉRARD) MWF 3
Spring, 13

197. The Utopian Theme in Literature.—A study of the Utopian idea and related social and political conceptions, as expressed in literature.
3 units, autumn quarter (RUSSELL) MW 2:05–3:30
Autumn, 6

198. The Modern English Language.—A study of usage in pronunciation, grammar, etc., in the light of the history of the language.
3 units, spring quarter (KENNEDY) MWF 10
Spring, 18

199. Verse Forms.—A study of metrics and verse forms in their relation to content.
2 units, autumn quarter (SEWARD) MWF 1:05
Autumn, 17

200. The English Teacher's Equipment.—A constructive study of the problems that face the English teacher in the high school; designed as an introduction to the Teachers' Course in the subject.
2 units
a) Composition, autumn quarter (SEWARD) TTh 1:05
b) Literature, spring quarter (SEWARD) TTh 10
c) Oral Reading, winter and summer quarters (BASSETT) M 1:05–3:05
Autumn, 5; winter, 3; spring, 21; summer, 15

GRADUATE COURSES

201. Bibliography and Methods.—An introduction to the materials and methods of advanced study in English. Recommended for all candidates for higher degrees.
3 units, autumn quarter (KENNEDY) MWF 9
Autumn, 12

202. Satire.—A study of the satiric element in literature, exemplified by some particular phase selected for specialization.
4 units, summer quarter (RUSSELL) MW 2:05–4:05
Summer, 18

203. Tragedy.—A comparative study of the theory and practice of tragedy in various literatures.
4 units, summer quarter (GRAY) MWF 10
Summer, 17

204. Comedy.—An inquiry into the nature of the comic and into its literary uses, as exemplified especially in the drama.
4 units (SEWARD) [Not given in 1926–27]

206. The Napoleonic Legend in European and American Literature.—Prerequisites are a course (in school or college) in modern European history, and a reading knowledge of at least one modern Continental language.
3 units, autumn and summer quarters (GUÉRARD) MWF 2:05
Autumn, 3; summer, 3

207. The Spirit of 1848 in Europe.—Culmination and frustration of the Romantic ideal; the new scientific-industrial era. Prerequisites as for Course 206.
3 units, winter quarter (GUÉRARD) MWF 2:05
Winter, 8

208. The Historical Spirit in Literature.—Its growth from 1700 to the present day. Prerequisites as for Course 206.
3 units, spring quarter (GUÉRARD) MWF 2:05
Spring, 9

210. Chaucer (advanced course).—*The Canterbury Tales,* or the *Troilus,* will be studied, with attention to the structure and history of the work and its literary significance.
3 units (KENNEDY) [Not given in 1926–27]

211. Shakespeare.—An introduction to the bibliography of the subject, the history of the text, and methods of critical study; with a critical study of one play.
4 units, spring and summer quarters (GRAY, CRAIG) By arrangement
Spring, 8; summer, 18

212. Problems of Victorian Literature.—A study of selected topics involving the literary backgrounds of the period.
4 units (SEWARD) [Not given in 1926–27]

215. Elizabethan Drama Seminary.
4 units
a) Webster and Ford, one quarter (GRAY) }
b) Marlowe, one quarter (BRIGGS) } [Not given in 1926–27]

216. The Life and Thought of the Sixteenth Century.
4 units, autumn and winter quarters (BRIGGS) TTh 2:05–3:30
Autumn, 17; winter, 10

217. Eighteenth Century.—The romantic age, its antecedents and consequences.
4 units, winter and spring quarters (BAILEY) MW 3
Winter, 12; spring, 12

218. Early English Seminary.—Early English Romances.
3 units, winter quarter (KENNEDY) By arrangement
Winter, 2

220. American Colonial Literature.—A research course. Prerequisites: American history and English literature of the eighteenth century.
4 units (HALL) [Not given in 1926–27]

225. History of the English Language.—A study of the earlier history of the language, and an introduction to Germanic philology. A knowledge of Old English is required.
4 units, spring quarter (KENNEDY) By arrangement
Spring, 3

227. Middle English Readings.—Elements of grammar, and interpretation of selections from the literature.
3 units, winter quarter (KENNEDY) By arrangement
Winter, 10

228. Beowulf.—Course 192 or an equivalent is a prerequisite for this course.
4 units (KENNEDY) [Not given in 1926–27]

[Teachers' Course in English.—See Education 206.]

The English Review Club meets for the discussion of recent publications of interest to students of English on the second Monday of each month from 7:30 to 9 P.M. All English graduate students, members of the departmental faculty, and undergraduates doing advanced work are invited to attend the meetings.

DIVISION OF PUBLIC SPEAKING

LEE EMERSON BASSETT, Professor
JAMES GORDON EMERSON, Associate Professor
ELISABETH LEE BUCKINGHAM, Assistant Professor
GORDON ARTHUR DAVIS, Assistant Professor and Director of Dramatics
OLIVER EDWARD NORTON, Instructor
E. LESLIE KILER, MARGARET SHEDD KISICH, ROBERT M. C. LITTLER, STANLEY A. WEIGEL, FRED AMES WELLER, Assistants in Instruction

The Division of Public Speaking offers such courses, together with personal conferences, as may help the student to gain self-control and self-reliance, to realize and use his latent resources and powers, and contribute to his usefulness as a citizen.

The courses in the Division offer instruction in the theory of argumentation and speech-making, and practice in the organization and presentation of speeches and arguments; bring the student in direct and vital contact with the thought and spirit of the best literature through the vocal rendering of it; give practical drill in the use of the voice, in phonetics and diction; provide training in stage technique and dramatics; and prepare candidates to teach the various branches of Public Speaking.

The requirements for the A.B. degree in English–Public Speaking are the satisfactory completion of about thirty units in Public Speaking, and, in addition, the following courses in English: Shakespeare (25), History of English Literature (183, 184), and three courses selected from the following list: 14, 21–23, 27 (or 163), 158–62, 170, 174, 181, 182, 185, 198. Candidates for the degree are required to have the same reading knowledge of at least one foreign language as English major students.

[NOTE.—*Courses in Public Speaking are, with a few exceptions, open to but a limited number of students.* Application should be made on registration day, and the instructor reserves the right to refuse to enroll students who do not appear at the first meeting of the class.]

LOWER DIVISION COURSES

4. Vocal Expression.—A study of the principles of oral expression and the vocal interpretation of masterpieces in prose and poetry, with supplementary work in voice development. Class recitations and personal conferences. Sections limited to twenty students.

3 units, autumn, *winter, and *spring quarters
autumn (BUCKINGHAM) MWF 9, 11; (BASSETT) MWF 11; (NORTON) MWF 9
winter (BUCKINGHAM) MWF 9, 11; (NORTON) MWF 10
spring (NORTON) MWF 8, 11; (BASSETT) MWF 9
5 units, summer quarter (BASSETT) MTWThF 9, 11
Autumn, 78 (4 sections); winter, 45 (2 sections); spring, 68 (3 sections); summer, 53 (2 sections)

5. Reading Aloud.—The oral rendering of various forms of literature. Particular attention will be given to rhythm, time, melody, quality, and other musical elements of verse. Assignments for general class practice and for individual study and rendition. Prerequisite: Course 4 or its equivalent. Sections limited to twenty students.

3 units, autumn and *winter quarters
autumn (BUCKINGHAM) MWF 10
winter (BASSETT) MWF 9
Autumn, 26; winter, 24

6. Practical Phonetics.—A course in the enunciation and pronunciation of the English language. Designed especially for foreign students.
1 unit, winter quarter (BASSETT) T 1:05
Winter, 3

7. Extemporaneous Speaking.—Practice in extemporaneous speaking on subjects of the student's choice, with attention to the preparation of speech outlines. Not open to first-year students. Should preferably be preceded by Course 4. Sections limited to eighteen students.
3 units, autumn, *winter, and *spring quarters
autumn (EMERSON) MWF 10; (NORTON) MWF 8, 11; (LITTLER) MWF 9
winter (EMERSON) MWF 11; (NORTON) MWF 8, 9; (LITTLER) MWF 8
spring (NORTON, WELLER) MWF 10; (LITTLER) MWF 11, 1:05
2½ to 5 units, summer quarter (EMERSON) MTWThF 9
Autumn, 78 (4 sections); winter, 73 (4 sections); spring, 68 (4 sections); summer, 24

8. Public Speaking.—A continuation of Course 7 with particular reference to elements of attention. Limited to eighteen students.
3 units, autumn, *winter, and *spring quarters
autumn (BASSETT) MWF 10
winter (EMERSON) MWF 10
spring (BASSETT, WEIGEL) MWF 10
Autumn, 18; winter, 18; spring, 34

UPPER DIVISION COURSES

116. Public Discussion.—Individual and group discussion of topics of current public interest. Open to juniors and seniors who have completed Courses 7 and 8.
3 units, winter quarter (BASSETT) MWF 10
Winter, 16

118. Reading and Staging Plays.—A course in play-reading and play-giving with special reference to high school and amateur dramatics.
2 to 4 units, summer quarter (KISICH) M 2–3; W 2–4
Summer, 39

119a. Vocal Interpretation.—The oral interpretation of literature, both prose and poetry. Prerequisites: Courses 4 and 5. Limited to twenty students.
2 units, autumn quarter (BASSETT) T 2:05–4
Autumn, 21

119b. Vocal Interpretation: Dramatic Literature.—The study of short plays of literary and dramatic merit for presentation before the class. Parts will be assigned. Attention will be given to characterization and action. Prerequisites: Courses 4 and 5. Limited to twenty students.
3 units, winter and spring quarters
winter (BUCKINGHAM) M 2:05–3:05; W 2:05–4:05
spring (DAVIS) M 1:05–2:05; W 1:05–3:05
Winter, 26; spring, 26

120. Practical Debate.—Under supervision of the department those students who work on intercollegiate debate questions may receive credit upon satisfactory completion of the work.
1 or 2 units, any quarter except summer (EMERSON, NORTON, LITTLER) By arrangement
Autumn, 7; winter, 26 (4 groups); spring, 1

121. Theatrical Workshop.—Practical instruction in stage technique and stage management with particular attention to the construction and designing of stage scenery, and to costuming, lighting, acting, and stage direction.
4 units, autumn, *winter, *spring, and *summer quarters (DAVIS, KILER) TTh 1:05–3:05
Autumn, 47; winter, 29; spring, 13; summer, 42

122. Theatrical Workshop (advanced)—A continuation of Course 121 with assignments based on the needs of individual students.
4 units, winter, *spring, and *summer quarters (Davis, Kiler) TTh 1:05–3:05
Winter, 13; spring, 16; summer, 11

123. Problems of Stage Presentations.—A study of methods of presentation of certain Greek and Elizabethan plays in their own and successive periods. Limited to fifteen students.
2 units, autumn quarter (Davis) MW 1:05
Autumn, 12

124. History of the Theater.—A historical survey of the origin and development of the theater; its social function and significance, and a study of various kinds of theaters.
2 units, winter quarter (Davis) MW 1:05
Winter, 43

132. Argumentation.—The theory of argumentation, with practice in the preparation of briefs and in the writing of arguments, together with a critical analysis of argumentative masterpieces. Open to all students who have made a satisfactory grade in English 2.
3 units, autumn quarter (Emerson) MWF 9
Autumn, 9

132–152. Argumentation and Debating.—The theory and practice of argumentation, with special attention to critical analysis, brief drawing, and methods of research; a consideration of logical fallacies in current public discussion; practice in extemporaneous debate.
5 units, summer quarter (Emerson) MTWThF 10
Summer, 13

133. Public Speaking (advanced).—A study of models of speech composition and the preparation of original speeches, with special attention to the style of spoken discourse. Prerequisites: Courses 7, 8, and 116.
3 units, spring quarter (Bassett) [Not given in 1926–27]

149. Voice Training.—Lectures on the voice, with class exercises. Limited to majors and minors in Public Speaking.
1 unit, autumn quarter (Bassett) T 1:05
Autumn, 27

151. Public Reading.—A course in the preparation of poems, stories, and scenes from novels and plays for public presentation. Prerequisites: Courses 4, 5, and 119*a*.
2 units, winter and spring quarters (Bassett) T 2:05–4:05
Winter, 15; spring, 19

152. Oral Debate.—Practice in the preparation and delivery of oral arguments, chiefly on current public questions. Prerequisite: Course 132.
2 units, winter quarter (Emerson, Norton) W 2:05–4:05
Winter, 4

200c. Teachers' Equipment in Oral Reading.—A study of the principles of expressive speech and training in reading aloud, with assignments adapted to the needs of individual members of the class.
2 units, winter and summer quarters (Bassett) M 2:05–4:05; TTh 10
Winter, 3; summer, 15

[**Teachers' Course in Oral Expression.**—See Education 214.]

GERMANIC LANGUAGES

JAMES OWEN GRIFFIN, Professor Emeritus
BRUNO BOEZINGER, Associate Professor Emeritus

WILLIAM ALPHA COOPER, KARL GUSTAV RENDTORFF, Professors
ALEXANDER R. HOHLFELD (University of Wisconsin), Acting Professor (Summer Quarter)
AUGUST CARL MAHR, Assistant Professor
CLARA EBERHARD, HELENA MAY NYE, Instructors
PAULA MARGARETHA KITTEL (Valley City, N.D., State Teachers College), Acting Instructor (Summer Quarter)
FRANK CARROLL CHALFANT, WALTER GIESEKE, Assistants in Instruction

The elementary and intermediate courses listed below are designed to prepare students to read German without translation, and to express ideas in simple German prose. Those who have completed Courses 101, 102, and 103 may take any more advanced course for which, in the judgment of the instructor in charge, they are prepared. Courses 191, 192, 193, and 195 are given entirely in English; the other advanced courses presuppose considerable facility in reading German, and some of them are conducted in German. Courses not assigned to any particular quarter, and with "by arrangement" instead of definite hours in the time schedule, will be given whenever there is sufficient demand for them.

Candidates for the degree of Bachelor of Arts in Germanic Languages are expected to take thirty units beyond second-year German, i.e., from courses numbered 101, 102, 103, 111, and higher.

Candidates for the Teacher's Recommendation in German as a major subject are expected to take second-year German (fifteen units) and the following: fifteen units elected from Courses 101–104, 111, and 151; two units from Courses 161–164, 231; fifteen units from Courses 171–178, 181–187, 200, 224; and two units from Courses 191–192. Proficiency in German will be insisted upon.

Candidates for the Teacher's Recommendation in German as a minor subject are expected to take, in addition to second-year German (fifteen units), fifteen units elected from Courses 101–104, 111, 151, 161–164, 171–178, and 181–187. Proficiency in German will be insisted upon.

Candidates for the degree of Master of Arts in Germanic Languages are expected to take fifteen units, including Course 251, in addition to the requirements for the degree of Bachelor of Arts.

Candidates for the degree of Doctor of Philosophy are referred to the Bulletin on *Graduate Study*.

The library facilities are good, and the collections are being strengthened in all directions. The private library of the late Professor Hildebrand, of the University of Leipzig, furnishes valuable material, particularly in the older literature and in lexicography. In modern literature the library offers good opportunities for advanced work, the Goethe collection being especially satisfactory. The files and the current numbers of the most important journals are at hand.

The department maintains, in Room 112, a special library of its own, including a collection of German textbooks and a model reference library for a secondary-school teacher. This collection of books is supplemented

by an extensive collection of maps, wall pictures, and lantern slides, suited for use in teaching.

For Courses 1, 2, and 3, First-Year German, a special university fee of $7.50 per quarter is charged.

1. First-Year German.—It is the object of this course to put the learner in possession of the elements of the German language. This implies: (1) a personal command of simple German, that is, the ability to understand such German, whether heard or read, and to employ the language in simple conversation, narration, and description, both orally and in writing; (2) such a ready familiarity with the elements of German grammar as is essential for the attainment of this command of the language.

5 units, autumn and *winter quarters (Eberhard, Gieseke, Nye, Chalfant) (autumn) MTWThF 8, 9, 11; (winter) MTWThF 9

Autumn, 142; winter, 33

2. First-Year German.—A continuation of Course 1.

5 units, winter and *spring quarters (Eberhard, Gieseke, Nye, Chalfant) (winter) MTWThF 8, 9, 11; (spring) MTWThF 9

Winter, 120; spring, 36

3. First-Year German.—Beside being a continuation of Course 2, this course affords, in the autumn quarter, an opportunity for students with more than one and less than two years of high-school German to prepare themselves to take up second-year college German (Course 21) in the winter quarter.

5 units, spring and *autumn quarters (Eberhard, Gieseke, Nye, Chalfant) (spring) MTWThF 8, 9, 11; (autumn) MTWThF 9

Autumn, 31; spring, 107

[Note.—Courses 1, 2, and 3, together, are equivalent to two years of German in the high school, and may be taken by students who have presented no units of credit in German for entrance to the University. Those who present one unit for entrance may take Courses 2 and 3.]

11. Special Elementary Course.—The aim of this course is to prepare candidates for the degree of Doctor of Philosophy in other departments to read the literature in German in their particular fields. A rapid review of the elements of German grammar is followed by intensive practice in reading and translation. Course 1 should precede this course. Permission of the instructor necessary before registration.

2 units, winter quarter (Cooper) By arrangement

Winter, 6

15. German Pronunciation.—Practice in reading aloud and declaiming. Prerequisites: Courses 1 and 2. This course may be taken two quarters for credit.

1 or 2 units, winter, spring, and summer quarters (Gieseke, Kittel) By arrangement

Winter, 5; spring, 25; summer, 6

20. Free Reading.—Open to students who have had a year or more of German. Permission of the instructor necessary before registration. Thirty-six hours of reading per unit, and weekly conferences with the instructor.

1 or 2 units, each quarter (Eberhard, Nye, Kittel) By arrangement

Autumn, 63; winter, 53; spring, 62; summer, 20

21. Second-Year German.—The aim of this course is to extend and strengthen the student's personal command of German, both oral and written. The course is taken to best advantage as a whole, but may be taken in part, either the division 21*a*, which is devoted to the reading and discussion in German of texts selected from the writings of contemporary

or late nineteenth century authors, or the division 21*b*, which affords training in composition, conversation, and practical grammar.

21a. Second-Year Reading.
3 units, autumn and *winter quarters (Cooper, Eberhard, Gieseke, Mahr, Nye) (autumn) MWF 8, 9, 10; (winter) 11
Autumn, 82; winter, 24

21b. Second-Year Composition.
2 units, autumn and *winter quarters (Gieseke) TTh 9
Autumn, 25; winter, 10

22. Second-Year German.—A continuation of Course 21.

22a. Second-Year Reading.
3 units, winter and *spring quarters (Eberhard, Gieseke, Mahr, Nye) (winter) MWF 8, 9, 10; (spring) 11
Winter, 55; spring, 13

22b. Second-Year Composition.
2 units, winter and *spring quarters (Gieseke, Mahr) TTh 9
Winter, 9; spring, 9

23. Second-Year German.—A continuation of Course 22.

23a. Second-Year Reading.
3 units, spring and *autumn quarters (Eberhard, Gieseke, Mahr, Nye) (spring) MWF 8, 9, 10; (autumn) 11
Autumn, 8; spring, 36

23b. Second-Year Composition.
2 units, spring quarter (Mahr) TTh 9
Spring, 4

[Note.—Second-year German (which includes Courses 21, 22, and 23) is the equivalent of the third and fourth years of German in the high school. Students who present three units in German for entrance may take Courses 22 and 23, or 23 and 24.]

24. Second-Year German.

24a. Second-Year Reading.
3 units, summer quarter (Kittel) MWF 8
Summer, 4

24b. Second-Year Composition.
2 units, summer quarter (Kittel) TTh 8
Summer, 3

25. Science German.
3 units, winter quarter (Mahr) MWF 11
Winter, 12
[See note below Course 27]

26. Science German.—A continuation of Course 25.
3 units, spring quarter (Mahr) MWF 11
Spring, 6
[See note below Course 27]

27. Science German.
3 units, summer quarter (Kittel) MWF 9
Summer, 6

[Note.—Courses 25 and 26 form one continuous course, but credit may be obtained for the work of any quarter separately. Prerequisites: Courses 1, 2, 3, and 21*a*. Not open to freshman students.]

31. Translation of German.—Analysis of the processes involved in translation, and practice in translating.
2 units, spring quarter (Cooper) TTh 8
Spring, 9

100. Directed Reading in Science German.—Prerequisite: Second-Year German or Science German, three quarters. Thirty-six hours of reading per unit, and weekly reports to the instructor.
1 to 3 units, winter, spring, and summer quarters (Mahr, Kittel) By arrangement
Winter, 1; spring, 1; summer, 6

101. Novels.—A course in rapid reading of modern novels, with discussions in German of their subject-matter and technique.
3 units, autumn quarter (Cooper) MWF 11
Autumn, 9

102. Classical Dramas.—A continuation of Course 101, the works read being, for the most part, dramas of the Classical period.
3 units, winter quarter (Cooper) MWF 11
Winter, 7

103. Recent Dramas.—A continuation of Course 101, the works read being, for the most part, dramas of the last fifty years.
3 units, spring quarter (Cooper) MWF 11
Spring, 6

104. Dramas and Novels.—A continuation of Course 101.
3 units, summer quarter (Mahr) MWF 9
Summer, 2

111. Advanced Composition.—By composition is meant, not translation from English, but the employment in connected prose of German material either gathered from reading or specially assigned by the instructor.
1 or 2 units, autumn, winter, and spring quarters (Gieseke) By arrangement
Autumn, 1; winter, 3; spring, 4

120. Deutschland in Bildern.—Lectures in German, with stereopticon. This course may be taken for credit more than one quarter.
1 unit, each quarter (Gieseke, Mahr)
(autumn, winter, spring) TTh 10; (summer) 11
Autumn, 28; winter, 48; spring, 33; summer, 17

150. Directed Reading.—Prerequisites: Second-Year German for three quarters, and, if possible, one or more of the Courses 101 to 104. Individual courses of reading, suited to special needs and desires. Thirty-six hours of reading per unit, and brief interviews, once a week, with the instructor.
1 or 2 units, each quarter (Cooper, Mahr, Rendtorff) By arrangement
Autumn, 8; winter, 4; spring, 6; summer, 4

151. Individual Composition.—The aim of this course is to develop correct, idiomatic and adequate expression.
1 unit, each quarter (Gieseke, Mahr) By arrangement
Winter, 2; spring, 2; summer, 3

152. Individual Work.—Training in other lines than reading, to meet special needs.
1 or 2 units, each quarter (Cooper, Mahr, Rendtorff) By arrangement
Autumn, 2; winter, 2; spring, 1; summer, 1

161. German Syntax.
2 units, summer quarter (Mahr) [Not given in 1926–27]

163. Word Studies.—Study of selected words in their relation to cultural history.
2 units, autumn quarter (Cooper) TTh 11
Autumn, 3

164. Introduction to the History of the German Language.
2 units, winter quarter (Cooper) [Not given in 1926–27]

171. German Lyrics.
2 units, summer quarter (MAHR) TTh 11
Summer, 4

174. Goethe's Lyrics.—A study of Goethe's lyrics in relation to his life and to his conception of the poet's calling.
3 units, spring quarter (COOPER) MWF 9
Spring, 2

175. Goethe's *Faust*.—Course conducted in German.
3 units, autumn quarter (COOPER) MWF 9
Autumn, 3

177. Schiller's Works.
2 units, winter quarter (RENDTORFF) TTh 10
Winter, 5

178. Hauptmann's Works.
2 units, autumn quarter (RENDTORFF) TTh 10
Autumn, 3

179. Goethe's *Faust*.—Reading and interpretation of both parts of the drama.
2 units, summer quarter, first term (HOHLFELD) TWThF 10
Summer, 6

181. History of German Literature up to the Nineteenth Century.
3 units (RENDTORFF) By arrangement

182. History of the Nineteenth-Century Literature.
3 units, autumn quarter (RENDTORFF) MWF 10
Autumn, 7

183. Current Literary Movements.
3 units, winter quarter (RENDTORFF) [Not given in 1926–27]

189. German Drama of the Nineteenth Century.—A study of Friedrich Hebbel's dramas and dramatic theory, and other works of representative authors. This course was conducted as a seminar.
2 units, summer quarter, first term (HOHLFELD) TWThF 11
Summer, 9

191. History of Germany.—A general survey, with particular emphasis on the period since 1848.
3 units, autumn quarter (RENDTORFF) MWF 8
Autumn, 18

192. History of German Civilization.—Lectures, with stereopticon.
2 units, winter quarter (RENDTORFF) MW 2:05–4:05
Winter, 4

193. General Survey of German Literature.—Lectures in English, readings from English translations.
3 units, spring quarter (RENDTORFF) MWF 10
Spring, 30

195. The German Folk Song.—Principal types studied with regard to the historical development of their meters, words, and melodies, from the Middle Ages down to the present day. Lectures in English, illustrated with vocal and instrumental renderings. Some knowledge of German and musical theory desirable, though not prerequisite.
2 units, winter quarter (MAHR) TTh 11
Winter, 5

200. German Teacher's Course.—Instruction and practice in progressive methods; examination of textbooks and illustrative material.
2 units (COOPER) [Not given in 1926–27]

221. Gothic.
2 units (MAHR) [Not given in 1926–27]

223. Old High German.
2 units (MAHR) By arrangement
Spring, 2

224. Middle High German.—Grammar and selected texts.
2 units, winter and spring quarters (RENDTORFF) By arrangement
Winter, 1; spring, 1

231. Comparative Grammar of German and English.
3 units [Not given in 1926–27]

241. Seminary.—Goethe's *Tasso.*
2 units, winter quarter (COOPER) Th 1:15–3:15
Winter, 4

251. Master's Thesis.—The candidate reports weekly to the instructor in charge for criticism, the work extending over three quarters, as a rule.
1 to 3 units, each quarter (COOPER, MAHR, RENDTORFF) By arrangement
Winter, 1; spring, 1; summer, 3

ROMANIC LANGUAGES

OLIVER MARTIN JOHNSTON, CLIFFORD GILMORE ALLEN, AURELIO MACEDONIO ESPINOSA, Professors

GUSTAVE CHARLIER (University of Brussels), TOMÁS NAVARRO TOMÁS (University of Madrid), Acting Professors (Summer Quarter)

ALFRED COESTER, STANLEY ASTREDO SMITH, Associate Professors

FREDERICK ANDERSON, WILLIAM LEONARD SCHWARTZ, Assistant Professors

WALLACE WOODWARD BARKER, FLORENCE CAROLINE BERRY, JOSEPH BRUNET, AURELIO MACEDONIO ESPINOSA, JR., HANNAH FRANCES FOOTE, COLLICE HENRY, GEORGE LOUIS LAWRENCE, HELEN MARBURG, EARL H. MCCOLLISTER, EDWARD FERNAND MEYLAN, GLEN B. MINER, DOROTHY PAGE, DOMINIC SALANDRA, OLGA SPIRITO, MARY FRANCES WILDMAN, GWLADYS LOUISE WILLIAMS, Assistants in Instruction

The undergraduate courses in the Romanic Languages are planned so as to give students an intimate acquaintance with the modern forms of the languages spoken in the principal Neo-Latin countries. To this end systematic attention is paid to pronunciation, reading, syntax, and conversation. In the higher courses special emphasis is laid on the study of literature. In order to give students an opportunity to become familiar with the spoken idioms, the majority of the courses are conducted in the language which forms the object of study.

The department offers advanced courses leading to the degrees of Master of Arts and Doctor of Philosophy. The library contains adequate material for graduate courses in French and Spanish literature and philology. The Dante collection is also adequate for graduate work in this subject (For the conditions necessary to acquire the degree of Master of Arts or of Doctor of Philosophy, see pages —— ——.)

The department also accepts candidates for certification as high-school teachers of French and Spanish in California and provides courses to meet the special needs of such candidates. Either French or Spanish may be

selected as a major subject. In addition to the elementary course, which does not count as a part of the requirement, majors in French or Spanish must complete the following courses for the degree of Bachelor of Arts:

1. Second-year course (15 units);
2. Advanced Composition and Conversation (9 units);
3. Six courses in literature or philology in the major subject (2-unit courses counting as half courses).

These six courses must include an outline course in the literature of the major subject (A140 for French majors and B140 for Spanish majors, or their equivalent). It is desirable that the outline course precede the other literary courses in the subject.

Major students must register each quarter for at least one course in the major subject. This provision is intended to prevent students from crowding major requirements into certain quarters and from registering as French or Spanish majors in other quarters without taking any work in the major subject.

The total number of units required for the degree of Bachelor of Arts will be approximately 43 or 44 units, exclusive of the elementary course.

The Teacher's Recommendation.—The requirements for the Teacher's Recommendation are the same as for the degree of Bachelor of Arts with the exception of the fact that the following courses must be included:

A80 and A190 for majors in French.

B80 and B200 for majors in Spanish.

A reading knowledge of Latin and German is highly desirable.

Some of the courses scheduled for the Summer Quarter extend through only one term of the quarter. Others extend through both terms, but credit will be granted for work done in either term.

First-year French and Spanish are given by competent instructors under the supervision of the Department Faculty, and a fee of $7.50 per quarter is charged. University credit is given for this work.

Students who are required to take French A3*a* or Spanish B3*a* during the Autumn Quarter may begin Second-year French or Spanish (A21 or B21) in the Winter Quarter.

Students who begin Second-year French or Spanish in the Winter Quarter will be admitted into advanced courses in French or Spanish upon completion of A22 or B22 with a grade of A in the Spring Quarter.

A. French

I. ELEMENTARY AND INTERMEDIATE COURSES

A1. Elementary French.—Training in pronounciation by means of phonetic symbols. Oral work. The elements of French grammar; the regular verb and the verbs *avoir* and *être;* Johnston and Elmore, *A French Grammar for High Schools and Colleges,* 23 lessons. Reading from Olmsted and Barton, *Elementary French Reader.*

5 units, autumn, *winter, and *summer quarters
(autumn, Brunet, Marburg) MTWThF 9, 11; (winter, Meylan) MTWThF 9
(summer, ———) MTWThF 9
Autumn, 122 (4 sections); winter, 29; summer, 7

A2. Elementary French (continued).—Oral work continued. Study of the irregular verbs. Johnston and Elmore, *A French Grammar for High Schools and Colleges,* 23 lessons. Reading from Olmsted and Barton, *Ele-*

mentary French Reader. Prerequisite: A1, or one year of high-school French.

5 units, winter and *spring quarters (winter, BRUNET, MARBURG, WILDMAN) MTWThF 9, 11 (spring, BRUNET) MTWThF 9

Winter, 103 (4 sections); spring, 21

A3. Elementary French (continued).—Thorough review of grammar. Oral work. Reading: About, *Le Roi des Montagnes.* Prerequisite: A2, or equivalent.

5 units, autumn and *spring quarters (autumn, MEYLAN) MTWThF 11 (spring, MARBURG, WILDMAN) MTWThF 9, 11

Autumn, 24; spring, 92 (3 sections)

A3a. Elementary French, Special Course.—Grammar and Composition. Johnston and Elmore, *A French Grammar for High Schools and Colleges.* Intended for two classes of students: (1) for those who are credited with one year and a half of high-school French; (2) for those who are technically entitled to enter Second-Year French, but whose preparation is insufficient. (See the last two paragraphs of the general announcement above.)

3 units, autumn quarter (WILDMAN) MWF 9

Autumn, 35

A21. Second-Year French.—Grammatical review. Composition, Reading: Bond, *Review Essentials of French Grammar;* Molière, *Le Bourgeois gentilhomme;* Tocqueville, *Voyage en Amérique.* Course conducted as far as possible in French. Prerequisite: A3, or two years of high-school French.

5 units, autumn and *winter quarters (autumn, SCHWARTZ, ANDERSON) MTWThF 9, 10 (winter, BRUNET) MTWThF 9

Autumn, 82 (3 sections); winter, 44

A22. Second-Year French (continued).—Grammar and Composition, Reading: Vreeland and Koren, *French Composition;* Vigny, *la Canne de jonc;* Augier, *le Fils de Giboyer.* Conducted as far as possible in French. Prerequisite: A21, or three years of high-school French.

5 units, winter and *spring quarters (winter, SCHWARTZ, ANDERSON) MTWThF 9, 10 (spring, BRUNET) MTWThF 11

Winter, 59 (2 sections); spring, 33

A23. Second-Year French (continued).—Vreeland and Koren, *French Composition.* Reading: Sand, *les Ailes de Courage;* Rostand, *Cyrano de Bergerac.* Conducted in French. Prerequisite: A22, or equivalent.

5 units, spring and *summer quarters (ANDERSON, SCHWARTZ) MTWThF 9, 10

Spring, 48 (2 sections); summer, 7

A26. French Scientific Reading.—Intended for engineers. Greenfield and Babson, *Industrial and Scientific French.* Prerequisite: A3.

3 units, autumn quarter (BARKER) MWF 11

Autumn, 40

A27. French Scientific Reading (continued).—Daniels, *French Scientific Reader.*

3 units, winter quarter (BARKER) MWF 11

Winter, 43

A28. French Scientific Reading (continued).

3 units, spring quarter (BARKER) MWF 11

Spring, 34

A30. Directed Reading.—Prerequisite: A23, Readings and one conference period a week for oral reports. Enrollment limited, may not be repeated for credit.

1 or 2 units per quarter (SCHWARTZ) TTh 2:05

Autumn, 18; winter, 21 (2 groups); spring, 16

A40. French Conversation.—Texts illustrating French life are memorized to facilitate conversation in correct French. Prerequisite: A21, or equivalent.
2 units, spring quarter (SCHWARTZ) MWF 11
Spring, 13

A80. French Pronunciation.—Training in French pronunciation by means of practical phonetics. This course is of special interest to prospective teachers. Prerequisite: A3, or the equivalent.
3 units, winter quarter (SMITH) MWF 11
Winter, 11

II. ADVANCED AND GRADUATE COURSES

A101. Commercial French.—Letter-writing and introduction to commercial vocabulary: Malakis, *Le Français du commerce;* Fish, *French Commercial Correspondence.* Prerequisite: A23 or equivalent.
3 units (SCHWARTZ) [Not given in 1926–27]

A111. Third-Year French Composition and Conversation.—Composition and dictation. Coindreau and Lowe, *French Composition Book.* Conducted in French. Prerequisite: A23, or four years of high-school French.
3 units, autumn quarter (SCHWARTZ, JOHNSTON) MWF 8, 11
Autumn, 35 (2 sections)

A112. Third-Year French Composition (continued).—Hastings, *Anthology of French Prose and Poetry.* Prerequisite: A111, or equivalent.
3 units, winter quarter (SCHWARTZ, ANDERSON) MWF 8, 11
Winter, 37 (2 sections)

A113. Third-Year French Composition (continued).—Coindreau and Lowe, *French Composition Book;* Chéron and Schenck, *Handbook of French Correspondence.* Prerequisite: A112, or equivalent.
3 units, spring quarter (SCHWARTZ, SMITH) MWF 8, 11
Spring, 21 (2 sections)

A121. Fourth-Year French Composition.—Translation of connected English prose into French. Original composition. Dictation. Prerequisite: A113.
3 units, autumn quarter (SMITH) MWF 10
Autumn, 7

A122. Fourth-Year French Composition (continued).
3 units, winter quarter (SMITH) MWF 10
Winter, 11

A123. Fourth-Year French Composition (continued).
3 units, spring quarter (SMITH) MWF 10
Spring, 10

A130. French Classics.—Reading in class of masterpieces of French literature. Prerequisite: A23, or equivalent.
3 units (SMITH) [Not given in 1926–27]

A131. Renan.—Reading and interpretation of the *Souvenirs d'Enfance et de Jeunesse* and selections from his other works.
2 units (ANDERSON) [Not given in 1926–27]

A132. Rousseau.—Reading and interpretation of selections from Jean Jacques Rousseau.
2 units (ANDERSON) [Not given in 1926–27]

A133. Mme de Staël.—*De l'Allemagne,* reading and interpretation.
2 units (ANDERSON) [Not given in 1926–27]

A134. Taine.—Reading and discussion of V. Giraud's *Pages Choisies de Taine.*
2 units (ANDERSON) [Not given in 1926–27]

A135. Classical French Moralists.—Reading and interpretation of selections from Pascal, La Rochefoucauld, La Bruyère, and Vauvenargues.
2 units (ANDERSON) [Not given in 1926–27]

A140. Outline Course in the History of French Literature.—Strachey, *Landmarks in French Literature;* Anderson, *Illustrations of Early French Literature;* Vreeland and Michaud, *Anthology of French Prose and Poetry.* Outside reading. Conducted in English. Prerequisite: A23, or the equivalent.
5 units, autumn quarter (ANDERSON) MTWThF 9
Autumn, 46

A141. The French Drama.—Lectures on the development of the French drama, with special emphasis on the nineteenth century. Outside reading and reports. Prerequisite: A23, or equivalent.
3 units, spring quarter (SMITH) By arrangement
Spring, 1

A142. The Modern French Novel.—Lectures in French on the history of the novel in France. Emphasis is placed on the movements of the nineteenth century. Prerequisite: A23, or equivalent.
3 units, winter quarter (SCHWARTZ) MWF 11
Winter, 14

A143. French Lyric Poetry.—Course conducted in French. Preliminary study of medieval poetical forms, leading to extensive reading in class of nineteenth-century poets. Intended to familiarize students with the best-known masterpieces. Textbooks: *Oxford Book of French Verse,* Henning's *French Lyrics of the Nineteenth Century.* Prerequisite: A23, or equivalent.
4 units (SCHWARTZ) [Not given in 1926–27]

A144. Histoire de la Littérature française.
4 units, summer quarter (CHARLIER) TWThF 11
Summer, 16

A145. French Historians.—Lectures on French Historians of the nineteenth century. Reading of selections. Conducted in French. Prerequisite: A23, or its equivalent.
3 units (ANDERSON) [Not given in 1926–27]

A150. Hugo, his period, life, and works. Prerequisite: A23, or the equivalent.
2 units (SCHWARTZ) [Not given in 1926–27]

A151. Molière.—The complete works are read, with special attention to the characters in the plays. Readings and reports. Prerequisite: A23, or equivalent.
4 units, autumn quarter (SCHWARTZ) TWThF 10
Autumn, 13

A152. Literary Criticism.—Lectures on the history of literary criticism in France. A careful study of Madame de Staël; *De l'Allemagne,* and various works by Schérer, Taine, and Renan. Prerequisite: A23, or equivalent.
4 units, spring quarter (ANDERSON) MTWTh 1:05
Spring, 22

A161. French Literature in the Seventeenth Century.—Lectures on the formation of the classic ideal in France and on the main movements, authors,

and works of the classic age. Outside reading and reports. Conducted in French. Prerequisite: A23, or the equivalent.
3 units (SMITH) [Not given in 1926–27]

A162. French Literature in the Eighteenth Century.—A study of the main ideas and tendencies of the period as illustrated by the lives and works of its most important authors. Outside reading and reports. Conducted in French. Prerequisite: A23, or the equivalent.
3 units, autumn quarter (SMITH) MWF 11
Autumn, 17

A163. The Romantic Movement in France.—A study of the main features of romanticism and of the most important representatives of the French romantic movement. Lectures in French. Outside reading. Prerequisite: A161, or equivalent.
3 units, spring quarter (ANDERSON) MWF 11
Spring, 24

A164. Sixteenth Century.—Reading and interpretation of representative selections. Lectures and reports at the discretion of the instructor.
3 units (SMITH) [Not given in 1926–27]

A165. Racine.
2 units, winter quarter (JOHNSTON) By arrangement
Winter, 2

A170. Corneille.
3 units (JOHNSTON) [Not given in 1926–27]

A171. French Tragedy.—Lectures on the art of French tragedy, with interpretation and discussion of selected plays. Outside reading and reports. Prerequisite: A140, or equivalent.
3 units, winter and summer quarters (JOHNSTON) MWF 2:05
Winter, 10; summer, 3

A174. Histoire des Littératures modernes.
3 units, summer quarter (CHARLIER) TWTh 8
Summer, 15

A190. Modern French Syntax.—Review of French grammar with lectures and discussion. Modern usage in the light of its psychological and historical development. This course is designed to be of special use to teachers.
2 units, autumn and *summer quarters (JOHNSTON) TTh 2:05–3:05
Autumn, 7; summer, 12

[Teachers' Course in French.—See Education 208.]

III. PRIMARILY FOR GRADUATES

A201. Introduction to the Study of Old French.—Reading and interpretation of Old French texts selected from Bartsch-Wiese, *Chrestomathie de l'Ancien Français,* with a study of Old French Phonology and Morphology.
3 units, autumn and *summer quarters (JOHNSTON) TTh 3:05
Autumn, 3; summer, 7

A202. French Historical Grammar.—Lectures on Old French Phonology and Morphology.
3 units (JOHNSTON) [Not given in 1926–27]

A203. French Historical Syntax.—The most important phases of modern French syntax will be studied from a historical point of view. This course is intended primarily for teachers.
3 units (JOHNSTON) [Not given in 1926–27]

A204. Old French Literature.—French literature from the beginnings to the fifteenth century, with emphasis on the literary and social traits.
3 units (JOHNSTON) [Not given in 1926–27]

A205. French Arthurian Romances.—Lectures on the romances of the Round Table, the legend of the Holy Grail, and the legend of Tristan and Iseult. Outside reading and reports.
3 units, winter quarter (JOHNSTON) MWF 3:05
Winter, 5

A240. Graduate Thesis.
3 to 5 units per quarter
Winter, 3; spring, 3; summer, 3

A250. French Seminary.—*Floire et Blancheflor.*
2 units (JOHNSTON) [Not given in 1926–27]

A251. French Seminary.—The Old French Epic.
3 units (JOHNSTON) [Not given in 1926–27]

B. SPANISH

I. ELEMENTARY AND INTERMEDIATE COURSES

B1. Elementary Spanish.—The elements of pronunciation, grammar, reading, and conversation. Texts: Espinosa and Allen, *Beginning Spanish,* Lessons I–XXV; Navarro-Espinosa, *A Primer of Spanish Pronunciation,* pages 1–74.
5 units, autumn, *winter, and *summer quarters
(autumn, BERRY, ESPINOSA, JR., WILLIAMS) MTWThF 8, 9, 11
(winter, ESPINOSA, JR.) MTWThF 9; (summer, ———) MTWThF 11
Autumn, 94 (3 sections); winter, 25; summer, 5

B2. Elementary Spanish (continued).—Texts: Espinosa and Allen, *Beginning Spanish,* Lessons XXVI–XLVII; Navarro-Espinosa, *A Primer of Spanish Pronunciation,* pages 75–113; Espinosa, *First Spanish Reader,* Lessons XV–XXXIII.
5 units, winter and *spring quarters
(winter, BERRY, FOOTE, MINER, WILLIAMS) MTWThF 8, 9, 11
(spring, ESPINOSA, JR.) MTWThF 9
Winter, 86 (3 sections); spring, 29

B3. Elementary Spanish (continued).—Texts: Espinosa and Allen, *Beginning Spanish,* Lessons XLVIII–LXVIII; Quintero, *La muela del rey Farfán;* Allen, *Fábulas y Cuentos.*
5 units, autumn, *spring, and *summer quarters (autumn, WILLIAMS) MTWThF 9
(spring, FOOTE, MINER, WILLIAMS) MTWThF 8, 9, 11
(summer, ESPINOSA, JR.) MTWThF 11
Autumn, 19; spring, 71 (3 sections); summer, 2

B3a. Elementary Spanish, Special Course.—Grammar and Composition. A rapid review of Espinosa and Allen, *Beginning Spanish,* Lessons VII–LX. Intended for two classes of students: (1) for those who are credited with one year and a half of high-school Spanish; (2) for those who are technically entitled to enter Second-Year Spanish, but whose preparation is insufficient. (See the last two paragraphs of the general announcement above.)
3 units, autumn quarter (FOOTE) MWF 9
Autumn, 29

B21. Second-Year Spanish.—Review of grammar, with abundant practice in conversation and composition. Reading aloud in Spanish, with careful drill in pronunciation. Reading and interpretation of Spanish texts, with a minimum of translation. Conversation in Spanish based on the texts read.

Bimonthly tests in translation and written reproduction of Spanish texts or short stories. Conducted mainly in Spanish.

Composition and conversation (TTh). Text: Espinosa-Allen, *Elementary Spanish Grammar,* Lessons XV–XLIX.

Reading, pronunciation, and conversation (MWF). Texts: Benavente, *El Príncipe que todo lo aprendió en los Libros;* Palacio Valdés, *La Hermana San Sulpicio.*

5 units, autumn, *winter, and *summer quarters (ALLEN, HENRY, WILLIAMS) (autumn) MTWThF 9, 11; (winter) MTWThF 11 (summer, LAWRENCE) MTWThF 9

Autumn, 103 (3 sections); winter, 33; summer, 2

B22. Second-Year Spanish (continued).—Composition and conversation (TTh). Texts: Espinosa, *Elementary Spanish Composition and Conversation.* For grammar review and reference, Espinosa-Allen, *Elementary Spanish Grammar.* Original exercises in Spanish composition. Final examinations on all regular and irregular verbs and the use of the subjunctive.

Reading, pronunciation, and conversation (MWF). Texts: Martínez Sierra, *Teatro de Ensueño;* Pardo Bazán, *El Tesoro de Gastón.*

5 units, winter and *spring quarters (ALLEN, COESTER, WILLIAMS) (winter) MTWThF 9, 11; (spring) MTWThF 9

Winter, 89 (3 sections); spring, 22

B23. Second-Year Spanish (continued).—Composition and conversation (TTh). Oral drill in conversation and the mastery of a correct pronunciation. Short stories, and original compositions. Advanced Spanish grammar. Text: Seneca, *Spanish Composition.*

Reading and interpretation of Spanish texts (MWF). Texts: Martínez Sierra, *Canción de Cuna;* Coester, *Cuentos de la América Española.*

5 units, spring and *summer quarters (ALLEN, COESTER) MTWThF 9, 11

Spring, 58 (2 sections); summer, 3

B26. Spanish Scientific Reading.—Intended for engineers. Prerequisite: B3.

3 units, autumn quarter (MCCOLLISTER) MWF 11

Autumn, 27

B27. Spanish Scientific Reading (continued).

3 units, winter quarter (SPIRITO) MWF 11

Winter, 35

B28. Spanish Scientific Reading (continued).

3 units, spring quarter (WILLIAMS) MWF 11

Spring, 27

B30. Directed Reading.—Prerequisite: B23. Readings and one conference period a week for oral reports. Enrollment limited, may not be repeated for credit.

1 or 2 units per quarter (BERRY, MINER, SPIRITO) T 1:05, W 4:05

Autumn, 20; winter, 22; spring, 20

B40. Spanish Conversation.—Easy Spanish stories and exercises. Prerequisite: B3, or equivalent.

3 units (ESPINOSA) [Not given in 1926–27]

B80. Spanish Pronunciation.—Lectures and practical exercises in the elements of Spanish pronunciation. Open to all students of Spanish. This course should be taken by Spanish majors in the first year.

2 units, autumn and *spring quarters (ESPINOSA) TTh 10

Autumn, 41; spring, 28

II. ADVANCED AND GRADUATE COURSES

B101. Commercial Spanish.—Letter-writing and introduction to commercial practice. Prerequisite: B23. (Note: Students electing B101 are expected to take B102.)
3 units, winter quarter (COESTER) MWF 9
Winter, 20

B102. Commercial Spanish.—Letter-writing continued. Study of commercial documents. Writing of advertisements and circular letters. Prerequisite: B101, or equivalent.
3 units, spring quarter (COESTER) MWF 10
Spring, 11

B111. Advanced Spanish Composition and Conversation.—Review of grammar, with reading and interpretation of literary texts. Oral and written reproduction of short stories and literary material. Original exercises in composition. Prerequisites: Courses B21, B22, B23.
3 units, autumn quarter (ESPINOSA) MWF 9, 10
Autumn, 42 (2 sections)

B112. Advanced Spanish Composition and Conversation (continued).—Prerequisite: B111.
3 units, winter quarter (ESPINOSA) MWF 9, 11
Winter, 26 (2 sections)

B113. Advanced Spanish Composition and Conversation (continued).—Translation into Spanish of select English prose. Prerequisite: B112.
3 units, spring quarter (ESPINOSA) MWF 9
Spring, 16

B121. Curso de composición y estilo.—En este curso se estudian algunas obras literarias en prosa para modelos de estilo. Composiciones originales cada semana. Gramática de referencia: Bello-Cuervo, *Gramática de la Lengua Castellana.* Prerequisite: B113.
3 units (ESPINOSA) [Not given in 1926–27]

B122. Curso de composición y estilo (*continuación*).
3 units (ESPINOSA) [Not given in 1926–27]

B123. Curso de composición y estilo (*continuación*).
3 units, spring quarter (ESPINOSA) MWF 10
Spring, 10

B130. Spanish Classics.—A study of the principal authors of the classical period. Representative texts are read of Cervantes, Lope de Vega, Calderón, Alarcón, Tirso de Molina, as well as selections from Ford's *A Spanish Anthology.* Open to students who have completed Courses B21, B22, B23, or their equivalents.
4 units, autumn quarter (ALLEN) MTWF 11
Autumn, 24

B138. Modern Spanish Dramatists.—A study of Galdós, Benavente, Martínez Sierra, and others. Lectures in English with assigned readings in English or Spanish. Open to juniors and seniors in all departments.
2 units (ESPINOSA) [Not given in 1926–27]

B139. La España de Hoy.—Conferencias con proyecciones. (Illustrated lectures.) Open to all students.
No credit, summer quarter, first term (NAVARRO TOMÁS) M 8 P.M.

B140. Spanish Literature.—Outline course. Fitz-Maurice Kelly, *Historia de la literatura española.* Lectures and recitations. Prerequisite: B130.
3, 4, or 5 units, winter quarter (ALLEN) MWF 11
Winter, 23

B141. Teatro Español Contemporáneo.—(*a*) Breve resumen de la historia del teatro español en el siglo XIX: Rivas, Gutiérrez, Zorrilla, Bretón de los Herreros, Ayala, Echegaray. (*b*) Estudio de los dramáticos contemporáneos, con atención especial a Galdós, Jacinto Benavente, los Quinteros, Eduardo Marquina y Martínez Sierra. Prerequisites: B21, B22, B23, or their equivalents.
3 or 5 units (Espinosa) [Not given in 1926–27]

B142. Modern Spanish Novel.—A study of the modern Spanish novel and its relation to the development of the novel in France and other European countries. Lectures and collateral readings. Prerequisites: B21, B22, B23, or their equivalents.
3 units (Allen) [Not given in 1926–27]

B143. Early Spanish Lyric Poetry.—A study of the various schools of lyric poets, as the Galacian, the Italian, the National, etc. Prerequisite: B130.
3 units (Allen) [Not given in 1926–27]

B144. Modern Spanish Lyrics.—Prerequisites: B21, B22, B23, or their equivalents.
3 units, spring quarter (Allen) MWF 11
Spring, 19

B145. Historia de la poesía lírica española.—Curso de conferencias sobre la historia de la poesía lírica en España desde sus orígenes hasta nuestros días.
3 units, summer quarter (Navarro Tomás) MWF 9
Summer, 34

B153. Spanish-American Literature.—General outline. The writings of Spanish Americans are studied from the point of view of the nationality of the writers and as the product of differing political, social, and geographic conditions. Prerequisite: B23.
3 units, winter and *summer quarters (Coester)
(winter) MWF 9; (summer) MWF 11
Winter, 9; summer, 31

B154. Argentine Literature.—The aim of this course is to acquaint the student with the history and mental characteristics of the Argentines through the medium of their own literary productions. Prerequisite: B23.
3 units, spring and *summer quarters (Coester)
(spring) MWF 9; (summer) TTh 9
Spring, 12; summer, 20

B155. The Modernista Movement in America and Spain.—Rubén Darío, Gutiérrez Nájera, Silva, Chocano and their influence on Spanish lyric poets since 1898. Prerequisite: B111, or equivalent.
3 units (Coester) [Not given in 1926–27]

B162. Spanish Literature in the Eighteenth Century.
3 units (Allen) [Not given in 1926–27]

B188. Fonética Española.—Conferencias y ejercicios prácticos. Navarro Tomás, *Manual de Pronunciación Española.*
4 units, summer quarter (Navarro Tomás) TWThF 10
Summer, 53

B200. Problems of Teaching Spanish.—A consideration of the important questions of Spanish pronunciation, grammar, reading, and literary interpretations, together with a discussion of the general questions of methods of

teaching as applied to the teaching of elementary and advanced Spanish. Pedagogical bibliography and school texts. Practice teaching.
2 units, winter and *summer quarters (Espinosa, Coester) (winter) TTh 10; (summer, first term) MTWTh 1:05
Winter, 20; summer, 18

[Teachers' Course in Spanish.—See Education 218.]

III. PRIMARILY FOR GRADUATES

B201. Introduction to the Study of Old Spanish.—Lectures on Old Spanish Phonology and Morphology, with linguistic exercises based on *El Cantar de mío Cid.* Ford, *Old Spanish Readings.*
3 units, winter quarter (Espinosa) MWF 10
Winter, 12

B202. Spanish Historical Grammar.—Lectures and study of Old Spanish texts.
3 units, spring quarter (Espinosa) TTh 8
Spring, 6

B204. Old Spanish Literature.—Spanish literature from the earliest times to the beginning of the fifteenth century. Lectures, reading of texts, and assigned topics.
3 units, autumn quarter (Allen) MWF 2:05–3:05
Autumn, 19

B240. Graduate Thesis.
3 to 5 units per quarter
Autumn, 2; winter, 3; spring, 2; summer, 6

B241. Origins of Spanish Drama.—A history of the drama from the earliest times to its full development with Lope de Vega. Lectures and collateral reading.
3 units, spring quarter (Allen) MWF 2:05–3:05
Spring, 13

B250. Spanish Seminary.—Old Spanish Ballads. Lectures and investigations on special topics.
3 units, autumn quarter (Espinosa) TTh 1:05–2:05
Autumn, 13

B251. Calderón.—Lectures and assigned topics.
3 units, winter quarter (Allen) Th 2:05–4:05
Winter, 15

B252. Lope de Vega.—Lectures and assigned topics.
3 units (Allen) [Not given in 1926–27]

B253. The Classical Dramatists.—Tirso de Molina, Ruiz de Alarcón, Rojas Zorrilla, and Moreto.
3 units (Allen) [Not given in 1926–27]

B254. Cervantes.—Lectures and assigned topics.
3 units (Allen) [Not given in 1926–27]

C. Italian

I. ELEMENTARY AND INTERMEDIATE COURSES

C1. Elementary Italian.—Wilkins, *First Italian Book;* Wilkins, *L'Italia.*
5 units, autumn quarter (Salandra) MTWThF 8
Autumn, 24

C2. Elementary Italian (continued).—Grandgent's *Italian Grammar.* Conversation. Wilkins and Altrocchi, *Italian Short Stories.* Goggio, *Due Commedie Moderne.* Prerequisite: C1, or equivalent.
5 units, winter quarter (Salandra) MTWThF 8
Winter, 13

C3. Elementary Italian (continued).—Review of grammar. Composition and conversation. Goldoni, *La Locandiera.* Manzoni, *I Promessi Sposi* (edit. Geddes and Wilkins). Prerequisite: C2, or equivalent.
5 units, spring quarter (SALANDRA) MTWThF 8
Spring, 10

C21. Second-Year Italian.—Review of grammar. Composition and conversation. Reading of selected prose and poetry of the nineteenth and twentieth centuries, with a minimum of translation and particular attention to pronunciation. Collateral reading and reports. Prerequisite: C3, or equivalent.
3 units, autumn quarter (SMITH) MWF 2:05
Autumn, 1

C22. Second-Year Italian (continued).—Prerequisite: C21, or equivalent.
3 units, winter quarter (SMITH) MWF 2:05
Winter, 1

C23. Second-Year Italian (continued).—Prerequisite: C22, or equivalent.
3 units, spring quarter (SMITH) MWF 2:05
Spring, 1

C111. Third-Year Italian Composition.—Translation of connected English prose into Italian. Original composition. Conducted in Italian. Prerequisite: C23, or four years of high-school Italian.
3 units, autumn quarter (SMITH) MWF 3:05
Autumn, 3

C112. Third-Year Italian Composition (continued).
3 units, winter quarter (SMITH) MWF 3:05
Winter, 2

II. ADVANCED AND GRADUATE COURSES

C140. Lectures on Italian Literature (in English).—Lectures on the principal Italian writers. Reading of their works in translation. Added credit is given to students who do their reading in Italian.
3 or 5 units, winter quarter (ANDERSON) MWF 9
Winter, 7

C150. Dante and the *Divine Comedy* (in English).—Reading and interpretation of the *Divine Comedy* (in translation), lectures on Dante and the *Divine Comedy,* and the principal problems of medieval life and thought reflected in the poem. Outside reading and reports. Open to juniors and seniors in all departments.
2 units, summer quarter (JOHNSTON) TTh 9
Summer, 17

C151. Advanced Italian.—Dante, *La Divina Commedia.* Study and interpretation of the text; discussion of the literary problems of the poem.
3 units (JOHNSTON) [Not given in 1926–27]

C152. Advanced Italian (continued).
3 units (JOHNSTON) [Not given in 1926–27]

C153. Advanced Italian (continued).
3 units (JOHNSTON) [Not given in 1926–27]

C170. Petrarch and Boccaccio.—Lectures. Reading and interpretation of selections from their works. D'Ancona e Bacci, *Manuale della letteratura italiana,* vol. I.
3 units (JOHNSTON) [Not given in 1926–27]

C171. Italian Classics of the Fifteenth and Sixteenth Centuries.—Reading and interpretation of representative selections.
3 units, spring quarter (SMITH) MWF 3:05
Spring, 1

D. Portuguese

D1. Elementary Portuguese.—Drill on pronunciation. Elements of grammar. Reading of easy texts.
5 units, autumn quarter [Not given in 1926–27]

D2. Elementary Portuguese (continued).—Grammar. Composition. Conversation. Reading. Prerequisite: D1, or equivalent.
5 units, winter quarter [Not given in 1926–27]

D3. Elementary Portuguese (continued).—Prerequisite: D2, or equivalent.
5 units, spring quarter [Not given in 1926–27]

E. General Romance Philology

PRIMARILY FOR GRADUATES

E201. Phonetics.—Lectures on General Phonetics and on the principles of linguistic change, with exercises based on the most familiar ancient and modern languages.
2 units (Anderson) [Not given in 1926–27]

E202. The Romantic Movement.—Lectures in English giving a comparative view of romanticism in French, Spanish, and Spanish-American literatures; assigned readings in English, French, or Spanish to meet the needs of the student. Open to graduates and undergraduates.
2 units, summer quarter, second term (Coester) MTWTh 1:05
Summer, 13

E205. Bibliography and Methods of Romance Philology.—A brief description of the field of Romance Philology and of the principal books which deal with it. Discussion of the technique of philological studies.
3 units (Anderson) [Not given in 1926–27]

E210. Introduction to the Study of Old Provençal.—Reading of selected passages from Appel's *Provenzalische Chrestomathie,* with a study of Old Provençal Phonology and Morphology.
3 units (Johnston) [Not given in 1926–27]

E211. Romance Versification.—The fundamental principles of Romance verse structure, with particular attention to French and Spanish, lectures and practical exercises.
3 units (Espinosa) [Not given in 1926–27]

E220. Vulgar Latin and Introduction to Romance Philology.—The phonology and morphology of Vulgar Latin; a study of Vulgar Latin texts of the sixth, seventh, and eighth centuries, showing the development of Latin into Romance, especially Spanish, French, and Italian.
3 units, spring quarter (Espinosa) [Not given in 1926–27]

E221. Petronius. [See Course B138 in the Department of Classical Literature.]

F. General Courses

FOR UNDERGRADUATES

[These courses are given in English. A reading knowledge of French is desirable but not required. Prerequisite: a course in European History.]

F1. French Civilization.—The Foundations and the Middle Ages.
2 units, autumn quarter (Guérard) TTh 9
Autumn, 13

F2. French Civilization.—The Classical Age.
2 units, winter quarter (Guérard) TTh 9
Winter, 20

F3. French Civilization.—The nineteenth century.
2 units, spring quarter (Guérard) TTh 9
Spring, 20

F4. French Civilization.—The twentieth century.
2 units, summer quarter (Guérard) TTh 8
Summer, 7

SLAVIC

Henry Lanz, Assistant Professor

SLAVIC LITERATURE

C1. Slavic Literature.—It is the object of this course to give a brief account of the folklore and literature of Slavic nations such as Bohemia, Servia, Bulgaria, and Poland, in connection with their history and their religious development. Outside reading and reports.
2 units, autumn and summer quarters (Lanz) TTh 9
Autumn, 13; summer, 10

C2. History of Russian Literature.—The development of literature in Russia since the early Biliny period to the death of Gogol (1852). Special attention will be given throughout to the relations of Russian literature to social and political conditions, philosophy, and religion. Lectures and reading.
3 units, autumn and spring quarters (Lanz) [Not given in 1926–27]

C3. Russian Realism.—The modern Russian literature, covering the works of Turgenev, Goncharov, Dostoievsky, Tolstoy, and others. Mutual dependence between Russia and West-European literatures is particularly emphasized.
3 units, winter and spring quarters (Lanz) MWF 11
5 units, summer quarter (Lanz) MTWThF 9
Winter, 61; spring, 78; summer, 38

C100. Leo Tolstoy.—His life and work.
2 units, autumn and summer quarters (Lanz)
Autumn, 24; summer, 12

C101. Theodore Dostoievsky.—His life and work.
2 unts, summer quarter Lanz) [Not given in 1926–27]

C102. Russian Art.—This course is a systematic attempt to explain the development, the underlying principles, and the experimental technique of Russian art in its four principal divisions: architecture, painting, sculpture, and music. The problems of stage presentation are discussed in connection with modern developments in Russian opera. Special attention is paid to modern art, the study of which is greatly facilitated by the excellent art collection now in possession of the Hoover War Library. The course is conducted with the use of lantern slides.
[Not given in 1926–27]

C103. Polish Romanticism.
2 units, spring quarter (Lanz)
Spring, 21

SLAVIC LANGUAGES

(The following courses do not require a knowledge of any language other than English.)

A1. Elementary Russian.—It is the object of this course to put the students in possession of the elements of the Russian language. Beginning with a study of the alphabet, it covers the course in morphology, syntax, simple conversation, and reading of the easy Russian texts (short stories of Leo Tolstoy). Bondar, *Simplified Russian Method.*

4 units, autumn and spring quarters (LANZ) MTThF 8
Autumn, 6; spring, 1

A2. Elementary Russian (continued).—The study of the aspects of the verbs and advanced practice in conversation and reading.

4 units, winter quarter (LANZ) [Not given in 1926–27]

A3. Elementary Russian (continued).—Thorough review of grammar; reading and conversation (Bondar).

4 units, winter and spring quarters (LANZ) MTThF 8
Winter, 1; spring, 2

A4. Commercial Russian.—The object of this course is merely practical; it is intended to put the students in possession of the commercial vocabulary and make them able to transact business in Russian language. Special attention will be given to the composition of business letters. Prerequisites: Russian A1, A2, A3.

4 units, summer quarter (LANZ) [Not given in 1926–27]

A5. Individual Work.—Translation of documents in the Hoover collection.

(LANZ) By arrangement
Autumn, 2; summer, 3

A6. Seminar.

3 units, winter and spring quarters (LANZ) By arrangement
Winter, 2; spring, 1

A21. Second-Year Russian.—Reading of Pushkin and Turgenev. Practice in conversation and composition on the basis of the material read. Forbes, *Russian Grammar.*

3 units (LANZ) [Not given in 1926–27]

A22. Second-Year Russian.—Chekhov, Stories.

3 units (LANZ) [Not given in 1926–27]

A23. Second-Year Russian.—Reading of modern prose and poetry.

3 units (LANZ) [Not given in 1926–27]

A131. Third-Year Russian.—Individual work.

3 units (LANZ) [Not given in 1926–27]

A132. Third-Year Russian.—Individual work.

3 units (LANZ) [Not given in 1926–27]

A133. Third-Year Russian.—Individual work.

3 units (LANZ) [Not given in 1926–27]

LIBRARY

GEORGE THOMAS CLARK, Director of the University Libraries
CHARLES V. PARK, Assistant Librarian
HELEN BINNINGER SUTLIFF, Chief Cataloguer
ALICE NEWMAN HAYS, Reference Librarian
ELIZABETH HADDEN, Chief of Order Division
MINNA STILLMAN, Document Librarian
LOUISE OPHÜLS, Medical Librarian
NINA ALMOND, Hoover War Librarian
FRANCES E. SHELDON, Law Librarian
SOLON SHEDD, Curator, Branner Geological Library

The Library is open during term time on week days from 8:00 A.M. to 10:00 P.M., except on Saturdays, when it is closed at 5:00 P.M. The Sunday hours are from 2:00 P.M. to 6:00 P.M. During vacations the hours are from 8:30 A.M. to 4:30 P.M., Saturdays to 12:30 P.M. The shelves are open to members of the faculty and, on recommendation of their instructors, to students engaged in advanced work. Books, other than works of reference, not required for class use or otherwise restricted, are available under prescribed rules for circulation to those entitled to the privileges of the Library. A handbook giving information relative to the Library and how to use it has been published and may be obtained upon request.

The Library is available for use by all registered students without the payment of additional fees. Visitors regularly attending lecture courses or other University exercises, but not registered, are entitled to the privileges of the Library upon payment of a fee of $1.25 per quarter.

Including the departments of Law and Medicine, the Library contains upward of 410,000 volumes, and its maintenance and growth are insured by the income of the Jane Lathrop Stanford Jewel Fund, certain other special funds, and by fees.

The Library building is well adapted to meet the needs of advanced and graduate students. It contains nine rooms in which seminar classes may be held and one large room which serves as a reading-room for students in seminar classes; and tables on each floor of the stack make it possible for any graduate student to work in easy reach of the material in his field.

On the first floor—in the Hoover War Library and in the Document Room—are two collections of especial interest to research workers in the fields of history and economics.

The Document division brings together the Library's collection of city, state, and federal documents. It is especially strong in the publications of the United States, Great Britain, Canada, and Australia, and those of other countries are being added as fast as circumstances permit. The collection now numbers 40,000 volumes besides much unbound material.

The Hoover War Library contains some 150,000 printed and manuscript items on all aspects of the Great War, 1914–18, and for all nations whether warring or neutral. It is rich in government documents, in delegation propaganda at the peace conferences, in files of the publications of social and political societies, and in newspapers. A special reading-room facilitates the use of the collection.

The Hopkins Railway Library.—A collection of approximately 10,000 volumes and pamphlets dealing with the subject of transportation. In 1892 Mr. Timothy Hopkins, of San Francisco, presented to the University his private library on railroads—about 2,000 books—personally providing for its maintenance and growth for many years. The collection is general in scope, intended to embrace all subjects touching on the building, maintenance, and operation of railways; and is especially rich in state and government reports, as well as in reports of individual railroads both in the United States and Europe, with much material pertaining to their history.

Important divisions of the University Library, although separately housed, are:

The Law Library.—A library of about 30,000 volumes, selected with care and adequate for the study of English and American law. It contains practically complete sets of the reports of the courts of England, Scotland, Ireland, Canada, the United States, and the several states, together with a valuable collection of statutes, treatises, and periodicals.

The Lane Medical Library.—Founded by the directors of Cooper Medical College in accordance with the bequest of Mrs. L. C. Lane, and located opposite the other medical buildings, on the corner of Sacramento and Webster Streets, San Francisco. The library contains about 60,000 volumes and is particularly rich in its collection of medical and allied periodicals. The leading domestic and foreign journals are currently received.

Two important special collections are the Barkan library of ophthalmology and oto-laryngology, endowed by Dr. A. Barkan, professor emeritus of ophthalmology, and the new library on the history of medicine, supported by Stanford University and Dr. A. Barkan conjointly. To date this library contains about 5,000 volumes.

The Jordan Library of Zoölogy.—A collection consisting largely of works on ichthyology, to a considerable extent made up of numbers of author's separates, which have been accumulated by Chancellor Jordan and members of the Department of Zoölogy, bound in convenient form, indexed, and catalogued. The more voluminous publications such as the works of Cuvier, Lacépède, Bloch, Bleeker, Günther, and others are well represented. These, supplemented by the proceedings of various societies and institutions, make a collection of books of great value to advanced students and investigators. The library is conveniently arranged in the Natural History Museum, near the laboratories and collections.

The Biology Library.—Housed in Jordan Hall, the Biology library is a combination of the former department libraries of Botany, Physiology, Zoölogy, and Entomology, with some works on general biology, and now comprises about 5,000 volumes, together with current files of 125 periodicals. Its aim is to further the efforts of students and research workers, and, when complete, it should cover the literature of all phases of biological science represented in the student courses and research fields of the University.

The Branner Geological Library.—The geological library (Room 333) is the result of twenty-five years of painstaking acquisition by Dr. John Casper Branner. It includes a vast wealth of material relating to geology, paleontology, mineralogy, geography, mining, and metallurgy, and is especially well equipped with files of journals and the transactions of scientific societies, together with a large collection of state and government reports.

SCHOOL OF MEDICINE

William Ophüls, Dean
Arthur Leonard Bloomfield, Secretary of the Medical Faculty

ADMISSION TO THE SCHOOL OF MEDICINE

The first-year class in the School of Medicine is limited to fifty students, selected, on the basis of scholarship and promise, immediately after July 15 of each year from those applicants who fulfill the following requirements:

1. Graduation from high school (or its equivalent), comprising fifteen recommended units, as defined by the University for admission to the freshman class. (*Special students* are not admitted to registration in Medicine.)

2. Three full years of college work, totaling 135 quarter units (or an equivalent number of semester units), of a grade equivalent to that of Stanford University (counting as many grade points as there are units). The required work in these three years is that laid down by the Association of American Medical Colleges in Physics, Chemistry, Biology, and English, together with a reading knowledge of either French or German, and additional work in Chemistry and Biology as indicated below.

3. In addition to the A.A.M.C. minimum in Chemistry, the University requires Quantitative Analysis.

4. In Biological Science the University requires 15 quarter units, or 10 semester units, made up of courses in General Zoölogy (or General Biology), Comparative Anatomy of the Vertebrates, and General Vertebrate Embryology, substantially equivalent to the courses in those subjects given at Stanford University as indicated below.

No conditions are permitted. Candidates for admission who, in June, 1927, will have completed the requirements above, except for a few units in collegiate subjects, should plan to make up these deficiencies in full by attendance at summer sessions during the summer of 1927.

In practice the foregoing requirements as applied to the pre-medical courses of Stanford University students work out about as follows:

Chemistry

Chemistry 10 (General Inorganic Chemistry), 4 units.
Chemistry 11 (General Inorganic Chemistry), 4 units.
Chemistry 12 (General Inorganic Laboratory), 4 units.
Chemistry 111 and 112 (Quantitative Analysis), 5 units.
Chemistry 127 (Organic Chemistry), 5 units.

Students without entrance credit in Chemistry take Courses 1, 2, 3, and 51 instead of 10, 11, and 12. Total, 22 (or 25) quarter units; 14⅔ (or 16⅔) semester units.

Physics

Physics 1 (Mechanics and Heat), 5 units.
Physics 2 (Electricity), 4 units.
Physics 3 (Lenses), 1 unit.
Physics 20 (Modern Physics), 3 units.
Total, 13 quarter units (8⅔ semester units).

Biology

Zoölogy 1 (General Zoölogy), 5 units (or Biology 1 and 2, 9 units).
Zoölogy 4 (Comparative Anatomy of the Vertebrates), 5 units.
Zoölogy 9 (Vertebrate Embryology), 5 units, or Anatomy 112 (Mammalian Embryology), 5 units.
Total, 15 quarter units (10 semester units).

English

Nine quarter units (6 semester units).

French or German Reading Knowledge

This varies somewhat with the ability of the student, but implies at least the equivalent of a year's work of 15 quarter units, based upon high-school courses.

APPLICATION FOR ADMISSION

Applicants for admission to the School of Medicine, or for advanced standing in Medicine should communicate with The Registrar, Stanford University, California; those desiring information concerning the upper classes of the School of Medicine (i.e., from the fifth to the twelfth quarters), should communicate with The Dean, Stanford University School of Medicine, 2398 Sacramento Street, San Francisco, California.

THE CURRICULUM IN MEDICINE

The required period of study for the degree of Doctor of Medicine is twelve quarters plus the interne year. The work of the first four quarters is given at Stanford University and is devoted to anatomy, bacteriology, biochemistry, embryology, histology, neurology, and physiology. The next eight quarters are devoted to work in the pharmacological, pathological, and clinical laboratories, and in the hospital wards and the out-patient department in San Francisco. The last year is spent in hospital work.

In order to correlate the work of some of the departments and to facilitate research in others, all courses in Medicine, except those in anatomy, bacteriology, biochemistry, and physiology, are given in San Francisco. By reducing the number of required hours to approximately the number decided upon by the Association of American Medical Colleges, the student's opportunity for taking optional and elective courses has been increased and time obtained for thesis work.

FEES

The tuition fee for all students (graduate and undergraduate) in the School of Medicine is $85 per quarter*; the hospital fee is $2 per quarter. Medical students desiring membership in the Stanford Union, Women's Clubhouse, or Associated Students, or the use of the gymnasia and athletic grounds, will pay the usual fees designated for these purposes. A deposit of $20 is required of all students selected for the first-year class, payable within ten

* After September 1, 1927, the tuition fee for students, graduate and undergraduate registering for the first time in the School of Medicine will be $100 per quarter.

days after notification of their acceptance. This deposit is not returnable, but is applied upon the fees of the first quarter. A deposit to cover breakage or loss of apparatus and materials may be required in any department, such deposits being returnable, less charge for breakage, loss, or wear and tear of apparatus. Students taking the fifth and sixth quarters in Medicine at San Francisco will be required to pay a deposit of $3 at the Business Office of Lane Hospital to cover breakage, or loss of apparatus of the Department of Pharmacology. The total deposits for this purpose may vary from $10 to $20 per annum. Drafts and checks should be drawn for the exact amount to the order of Stanford University School of Medicine, as no change can be returned to students on checks or drafts.

I. ANATOMY

ARTHUR WILLIAM MEYER, CHARLES HASKELL DANFORTH, FRANK MACE McFARLAND, Professors
PHILIP EDWARD SMITH, CLARA S. STOLTENBERG, Associate Professors
EARL THERON ENGLE, Instructor

[For outline of courses see under Anatomy, pp. 157–59.]

II. BACTERIOLOGY AND EXPERIMENTAL PATHOLOGY

EDWIN WILLIAM SCHULTZ, WILFRED HAMILTON MANWARING, Professors
JOHN EDWARD BLAIR, Instructor (Autumn Quarter)

[For outline of courses see under Bacteriology and Experimental Pathology, pp. 159–60.]

III. CHEMISTRY

ROBERT ECKLES SWAIN, Professor
JAMES MURRAY LUCK, Acting Assistant Professor

Biochemistry.—(See Courses 141 and 143, Department of Chemistry.)
4 units (40 hours), autumn and *summer quarters (SWAIN, LUCK) MTWTh 8

Biochemistry.—A laboratory course. Should be preceded by Courses 12 or 51 or 20; 111, 112 (Quantitative Analysis), and 127 (Organic Chemistry) in the Department of Chemistry. (See Chemistry 142 and 144.)
4 units (120 hours), autumn and *summer quarters (SWAIN, LUCK)
4 afternoons, 1:05–4:05

[Students enrolled as medical students will be required to deposit $7.50 breakage fee for Courses 142 and 144; other University students will pay the usual fee of $15.00.]

IV. MEDICINE

Charles Miner Cooper, Clinical Professor Emeritus

Arthur L. Bloomfield (Executive), Thomas Addis, Harold Kniest Faber, Professors

Harry Everett Alderson, William Fitch Cheney, William R. P. Clark, Harold Phillips Hill, Walter Frank Schaller, Clinical Professors

George de Forest Barnett, William Edward Chamberlain, Henry George Mehrtens, Associate Professors

Walter Whitney Boardman, Thomas George Inman, Philip Hale Pierson, Alfred Cummings Reed, Julian Wolfsohn, [Henry Herbert Yerington], Associate Clinical Professors

Robert Reid Newell, Harry Alphonso Wyckoff, Assistant Professors

William Hulbert Barrow, Joseph Henry Catton, James Arthur Cutting, William Dock, Samuel H. Hurwitz, Mary H. Layman, Arthur Aloysius O'Neill, Jay Marion Read, Harry Spiro, Assistant Clinical Professors

Lloyd Blackwell Dickey, Helen Marshall, Instructors

Isabella Clinton, Norbert J. Gottbrath, Willard E. Kay, Thomas Henshaw Kelly, William Kenney, John J. Kingston, Frederick Walter Kroll, John Kent Lewis, Donald D. Lum, Peter Harrison Luttrell, Arthur C. McKenney, Jr., Merlin T. R. Maynard, Mary Jones Mentzer, Laird M. Morris, Alfred A. Robinson, Joseph A. Sampson, Lorenz J. Schermerhorn, Roland P. Seitz, Dwight E. Shepardson, Julius Sherman, Edward F. Stadtherr, Ernest Kenneth Stratton, Harry John Templeton, Clinical Instructors

Ruth Garland Bowes, Fred Firestone, Alexander F. Fraser, Mark Lewis Gerstle, Charles Dudley Gwinn, Fannie Hadden, J. Walter Jones, Kay Kitagawa, Mary Hewitt Loveless, Roger B. McKenzie, Donald Carlyon Marshall, James C. Parrott, [Walter Schilling], Arthur Sonnenberg, James M. Sullivan, Pleasant A. Taylor, [Stuart C. Way], Assistants

Adelaide Brown, Lecturer on Child Hygiene

Guy Stevens Farrington, Lecturer on Speech Defects

Howell Lovell, Lecturer on Legal Medicine

Arthur John Ritter, Lecturer on Mental Deficiency

George Dock, Lecturer on Tropical Medicine

John Lockhart Campbell, Clinic Dentist

DIVISIONS

Pediatrics	Radiology
Neuropsychiatry	Tuberculosis
Physiotherapy	Cutaneous Medicine and Syphilis

Instruction in the Department of Medicine normally commences in the fifth quarter of medical registration, at which time the courses in Physical Diagnosis and Clinical Pathology are started. These courses are prerequisite for most other courses in this department.

Before beginning the interne year, students are required: (1) to have completed the prescribed courses, and (2) to have passed a final examination in Internal Medicine, Neurology, Diseases of Children, and Cutaneous Medicine.

Deviations from this general plan of work will be permitted only after obtaining permission of the instructors involved and of the Executive Head of the Department of Medicine.

COURSES FOR SECOND-YEAR STUDENTS

201. Introduction to Clinical Medicine.—Preliminary demonstrations and practice in the methods of physical diagnosis followed by bedside work in which abnormal physical findings are correlated with symptoms and laboratory data.

6 hours (120 hours), winter and spring quarters (BARNETT) (San Francisco Hospital) TThS 8:30–10:30

Winter, 41; spring, 41

202. Clinical Pathology.—Lectures and laboratory work. The usual methods of examining the urine, blood, sputum, gastric contents, feces, and cerebro-spinal fluid are carried out by the student and the significance of abnormalities is noted.

4 hours (80 hours), winter and spring quarters
(WYCKOFF) (winter) (Room 312b) W 9:30–11:30, F 10:30–12:30
(spring) WF 9:30–11:30

Winter, 43; spring, 42

COURSES FOR THIRD-YEAR STUDENTS

The third-year class is divided into two sections, each of which is assigned for sixteen weeks to Lane Hospital and to the San Francisco Hospital.

Each section is subdivided into two sub-sections and assigned for eight weeks each to the Department of Medicine and to the Departments of Surgery and Gynecology and Obstetrics.

The students assigned to Medicine at Lane Hospital do bedside work in General Medicine, Neurology, and Pediatrics, and those at San Francisco Hospital do bedside work in General Medicine and Neurology.

During the assignment to the San Francisco Hospital, students attend clinics on tuberculosis and other communicable diseases.

203. Ward Work in General Medicine: Lane Hospital.
9 hours (72 hours) MTWThFS mornings
First semester, 32; second semester, 30

204. Ward Work in General Medicine: San Francisco Hospital.
16 hours (128 hours) MTWThF 8:30
First semester, 30; second semester, 32

205. Set Clinic in Medicine: Lane Hospital.
1 hour (16 hours), third year
1 hour (32 hours), fourth year (Lane Hall) W 11:30–12:30
First semester, 53; second semester, 51

206. Set Clinic in General Medicine: San Francisco Hospital.
1½ hours (24 hours) (HILL) F 11–12:30
First semester, 30; second semester, 32

207. Pediatrics.—Ward work: Lane Hospital.
9 hours (36 hours) MTWThFS mornings
First semester, 32; second semester, 30

208. Pediatrics.—Set clinic: Lane Hospital.
1 hour (16 hours), third year
1 hour (32 hours), fourth year (Lane Hall) Th 11:30–12:30
First semester, 53; second semester, 51

209. Pediatrics.—Lectures on child welfare.
1 hour (10 hours), autumn quarter (Brown) (Lane Hall) Th 1:30–2:30
Autumn, 48

210. Neurology.—Ward work: Lane Hospital.
9 hours (36 hours) MTWThFS mornings
First semester, 32; second semester, 30

211. Neurology.—Clinic: San Francisco Hospital.
1 hour (8 hours) (Wolfsohn) Th 11:30–12:30
First semester, 30; second semester, 32

212. Tuberculosis Clinic: San Francisco Hospital.
1 hour (8 hours) (Clark) S 9–10 or 10–11
First semester, 30; second semester, 32

213. Communicable Diseases Clinic: San Francisco Hospital.
1 hour (8 hours) (O'Neill) S 9–10 or 10–11
First semester, 30; second semester, 32

214. Radiology.—Section work: Lane Hospital.
2 hours (20 hours), winter quarter (Chamberlain, Newell) MTh 3:30–4:30
Winter, 47

215. Clinical-Radiological Conference: Lane Hospital.
1 hour (16 hours), third year
1 hour (32 hours), fourth year (Lane Hall) M 11:30–12:30
First semester, 53; second semester, 51

216. Physical Therapeutics.—Lectures and demonstrations. Given in sections of one-third of the class.
1 hour (10 hours), spring quarter (Langnecker) TTh 1:30–2:30, F 2:30–3:30
Spring, 48

217. Out-Patient Clinic, Minor Medicine, and Surgery.
1 hour (16 hours), third year
1 hour (32 hours), fourth year (Lane Hall) S 11:30–12:30
First semester, 53; second semester, 51

218. Legal Medicine.—(For third and fourth-year students.)
1 hour (10 hours), spring quarter (Lane Hall) M 2:30–3:30
Spring, 85

COURSES FOR FOURTH-YEAR STUDENTS

All of the work of the fourth year is given at Lane Hospital and the School of Medicine. For work in the Out-Patient Department the class is divided into eight sections which are assigned in rotation to the various clinics. During the time assigned to the Department of Medicine, students work in General Medicine, Neurology, Pediatrics, and Dermatology and Syphilis.

All students of the fourth year are required to attend Courses 205, 208, 215, 217, and 218.

219. Out-Patient Department, General Medicine.
12 hours (96 hours) MTWThFS 9:30–11:30
First semester, 12; second semester, 11

220. Out-Patient Department, Pediatrics.
12 hours (48 hours) MTWThFS 9:30–11:30
First semester, 11; second semester, 10

221. Out-Patient Department, Neurology.
12 hours (48 hours) MTWThFS 9:30–11:30
First semester, 12; second semester, 10

222. Out-Patient Department, Dermatology and Syphilis.
12 hours (48 hours) MTWThFS 9:30–11:30
First semester, 11; second semester, 10

223. Psychiatry.—Lectures and Clinics.
2 hours (40 hours), autumn and winter quarters (Lane Hall) M 1:30–3:30
1 hour (10 hours), spring quarter M 1:30–2:30
(Mehrtens, Cutting)
Autumn, 37; winter, 37; spring, 37

224. History of Medicine.—In association with other departments.
1 hour (10 hours), winter quarter (Lane Library) T 3:30–4:30
Winter, 37

Lectures in Dermatology.
1 hour (32 hours) (Alderson) T 11:30–12:30
First semester, 29; second semester, 29

ELECTIVE COURSES

1. Ward Rounds in Medicine.—For fourth-year students only. Limited to twelve students.
3 hours (30 hours) 8:30–9:30 By arrangement
First semester, 14; second semester, 10

2. Ward Rounds in Neurology.—For fourth-year students only. Limited to six students.
3 hours (30 hours) 8:30–9:30 By arrangement
First semester, 7; second semester, 10

3. Ward Rounds in Pediatrics.—For fourth-year students only. Limited to six students.
3 hours (30 hours) 8:30–9:30 [Not given in 1926–27]

4. Communicable Diseases.—Lecture course in Pediatrics.
1 hour (10 hours) (O'Neill) By arrangement
Autumn, 14

5. Mental Rating in Neuropsychiatry.—Limited to four students.
1 hour (10 hours) (Marshall) [Not given in 1926–27]

6. Practical Work in Basal Metabolism and Electrocardiography.—Limited to one student each morning. Three mornings a week.
1 hour (10 hours) By arrangement
Autumn, 1; winter, 3; spring, 21

7. Diseases of the Endocrine Glands.—Clinics and recitations.
(Kay) By arrangement
Spring, 26

8. Radiology.—Special work in consultation with the division of Radiology. Either therapy or diagnosis may be followed.
(Chamberlain, Newell) By arrangement
Autumn, 1; winter, 7; spring, 33

9. Roentgenoscopy.—Experience in the actual use of the fluoroscope. Limited to two students per section, five sections.
1 hour (10 hours) (Chamberlain, Newell) By arrangement
Autumn, 5; winter, 4; spring, 37

10. Brights Disease and Diabetes.—Diagnosis and treatment. Clinics and laboratory work.
(Addis, Shepardson) By arrangement
Winter, 48; spring, 48

11. Dentistry for Medical Students.—Five lectures covering the anatomy and pathology of the teeth, treatment of caries, dental surgery, prosthetic dentistry, orthodontia, and preventive dentistry. For third- and fourth-year students. No credits are given.
(Campbell) By arrangement

V. OBSTETRICS AND GYNECOLOGY

Alfred Baker Spalding, Professor
Ludwig Augustus Emge, William Emerson Stevens, Associate Clinical Professors
C. Frederic Fluhmann, Assistant Professor
Karl Ludwig Schaupp, Henry Augustus Stephenson, Assistant Clinical Professors
Hans vonGeldern, Albert Victor Pettit, Clinical Instructors
Harry Edwin Clay, Joel H. Hanson, Lewis Michelson, Stirling Pillsbury, Assistants

REQUIRED COURSES FOR SECOND-YEAR STUDENTS

201. Obstetrics, Histology.—Lecture for one hour a week, laboratory for one hour a week.
2 hours (20 hours), winter quarter (vonGeldern) (Room 506) M 9:30–11:30
Winter, 43

202. Gynecology, Pathology.—Laboratory two hours a week.
2 hours (20 hours), winter quarter (Emge) (Room 405) F 8:30–10:30
Winter, 43

203. Obstetrics.—Normal pregnancy, labor and puerperium.
2 hours (20 hours), spring quarter (Fluhmann) (Room 506) WF 8:30–9:30
Spring, 42

REQUIRED COURSES FOR THIRD-YEAR STUDENTS

204. Obstetrics.—Abnormal pregnancy, labor and puerperium, and obstetrical operations.
1 hour (31 hours), autumn, winter, and spring quarters (Spalding)
(Room 515) autumn and winter, M 2:30–3:30; spring, M 3:30–4:30
Autumn, 48; winter, 48; spring, 48

205. Ward Rounds: Lane Hospital.—Obstetrics and Gynecology.
1 hour (8 hours), autumn, winter, and spring quarters
(Spalding, Stephenson) F 8:30–9:30
First semester, 32; second semester, 30

206. Ward Rounds: San Francisco Hospital.—Obstetrics and Gynecology.
1 hour (8 hours), autumn, winter, and spring quarters
(autumn and winter, Schaupp, vonGeldern; spring, Emge, Pettit) F 8:30–9:30
First semester, 30; second semester, 32

207. Ward Work: Lane Hospital.—Gynecology.
2 hours (27 hours), autumn, winter, and spring quarters
(Senior Interne) Daily 9:30–11:30
First semester, 32; second semester, 30

208. Ward Work: San Francisco Hospital.—Gynecology.
2 hours (27 hours), autumn, winter, and spring quarters
(House Officer) Daily 9:30–11:30
First semester, 30; second semester, 32

REQUIRED COURSES FOR FOURTH-YEAR STUDENTS

209. Manikin Exercises.—One-half of class.
1 hour (10 hours), autumn and winter quarters (———, vonGeldern)
(autumn, Room 506; winter, Room 515) W 1:30–2:30
Autumn, 17; winter, 19

210. Women's Clinic.—Obstetrics, gynecology, and urology in women.
2 hours (48 hours), autumn, winter, and spring quarters
(SPALDING and STAFF) Daily 9:30–11:30
First semester, 12; second semester, 9

211. Attendance on Deliveries.—Each student is required to witness ten deliveries either in Lane Hospital or San Francisco Hospital.
2 hours (20 hours), autumn, winter, and spring quarters (JUNIOR INTERNE)

ELECTIVE COURSES

212. Out-Patient Obstetrics.—For periods of two weeks, students electing this course are excused from other class duties while attending the delivery of patients in their homes.
(70 hours), autumn, winter, and spring quarters (RESIDENT)
Autumn, 10; winter, 7; spring, 7

213. Prenatal Clinic.—Limited to three students for periods of one month.
2 hours (8 hours), autumn, winter, and spring quarters
(SENIOR INTERNE) M 1:30–3:30
Autumn, 6; winter, 10; spring, 2

214. Postoperative Clinic.—Limited to three students for periods of one month.
2 hours (8 hours), autumn, winter, and spring quarters (RESIDENT) W 1:30–3:30
Winter, 3

VI. PATHOLOGY

WILLIAM OPHÜLS, JEAN REDMAN OLIVER, Professors
ERNEST M. HALL, Assistant Professor
ESHREF SHEVKY, Assistant in Research

The following courses in Pathology are required of medical students: Pathology 201, two quarters; Pathology 203, three quarters.

COURSE FOR SECOND-YEAR STUDENTS

201. General Pathology.—A course of lectures, demonstrations, and laboratory work which covers disturbances in circulation, regressive and progressive tissue changes, inflammation, granulomata and tumors. The study of human material is supplemented by experiments. Two lectures of 1 hour and two laboratory periods of 2½ hours each per week in the winter quarter, and one lecture of 1 hour and two laboratory periods of 2½ hours each week in the spring quarter. Prerequisites: Histology, Bacteriology.
7 hours (70 hours), winter quarter
6 hours (60 hours), spring quarter (OPHÜLS, OLIVER, HALL)
(Room 405) (winter) M 8:30–9:30, S 11:30–12:30, MF 1:30–4
(spring) M 8:30–9:30, MF 1:30–4
Winter, 44; spring, 43

COURSE FOR THIRD-YEAR STUDENTS

203. Special Pathology.—A course of demonstrations of fresh and preserved gross and microscopical specimens, illustrating selected chapters on Human Pathology. Part of the time is devoted to the technic of post-

mortem examinations. Diagnostic work is done in the spring quarter. Prerequisites: General Pathology.

4 hours (124 hours), autumn, winter, and spring quarters (Ophüls, Oliver) (Morgue, Lane Hospital) W 2:30–4:30; (Room 405) TTh 2:30–3:30
Autumn, 48; winter, 48; spring, 48

RESEARCH WORK

205. Research Work in the Pathological Laboratory.—Students wishing to do special work in the Pathological Laboratory should have finished Course 201. They should consult with the Executive of the Department in regard to the selection of a proper subject for investigation. As the laboratory accommodations are limited, students must do a reasonable amount of work, otherwise the privilege will be withdrawn. A deposit of $10 is required to cover such material as is used by the student in the course of his work. Such part of this as is not drawn against is refunded on the completion of the work undertaken. Work may be undertaken during any of the four quarters. The same regulations apply to work on theses or for advanced degrees in the department, except that in the latter case the students also should have finished Course 203.

During the summer quarter a special effort is made to accommodate properly prepared undergraduates or graduates who wish to do experimental work in Pathology.

(Ophüls, Oliver)

VII. PHARMACOLOGY AND THERAPEUTICS

Paul J. Hanzlik, Professor
Floyd DeEds, Assistant Professor
Russel van Arsdale Lee, Assistant Clinical Professor of Therapeutics
†Maurice L. Tainter, Instructor
Edward Merchant Butt, Donald Carlyon Marshall, Andrew Benton Stockton, Assistants in Research

REQUIRED COURSES FOR SECOND-YEAR STUDENTS

201. Chemical Pharmacology.—This course includes tests for plant constituents and important drugs, the principles of pharmacy and prescription writing, general toxicology, the physical and chemical basis of pharmacology, excretion, antiseptics, methods of administering drugs, and reactions with tissues and unicellular organisms. The work consists of laboratory exercises, demonstrations, class conferences, and lectures.

Didactic, 16 hours; laboratory, 32 hours; total, 48 hours; given during the first 8 weeks of the winter quarter (DeEds)
Didactic MW 11:30–12:30; Lab. TTh 1:30–3:30
Winter, 43

202. Experimental Pharmacodynamics.—The course consists of demonstrations and class experiments on amphibia and mammals illustrating the actions of drugs and methods of pharmacological experimentation. The results are discussed and systematized in class conferences, different methods

† Absent on leave, 1926–27.

of attaining the same or related objects being explained and practical applications indicated. The work of Courses 201 and 202 is prerequisite to the other courses of the department.

Conference, 24 hours; laboratory, 48 hours; total, 72 hours; given during the last 2 weeks of the winter and all of the spring quarter (Hanzlik, DeEds) Lab. TTh 1:30–3:30; Conference, MW 11:30–12:30

Winter, 43; spring, 42

203. Systematic Pharmacology.—The course covers locally acting drugs.

Recitation, 10 hours; given during the spring quarter (DeEds) S 11:30–12:30

Spring, 42

REQUIRED COURSES FOR THIRD-YEAR STUDENTS

204. Systematic Pharmacology.—This course deals with predominant systemic actions. Instruction is given by lectures, demonstrations, and recitations and treats of the experimental basis, toxicity and clinical actions, uses and dosage of the more important drugs.

60 hours, autumn and winter quarters (Hanzlik) MWF 1:30–2:30

Autumn, 48; winter, 48

205. General Therapeutics.—This course consists of a systematic presentation of the uses of drugs and other agents from the standpoint of disease, and consists of lectures, recitations, and class drills in prescription writing.

33 hours, spring quarter (Dock) (Room 311) MWF 1:30–2:30

Spring, 48

ELECTIVE COURSES

206. Research in Pharmacology and Therapeutics.—Open throughout the year to students for thesis and to graduates with proper qualifications and special interest in these subjects. Work may be done independently or under supervision in the department. For students not less than four hours per week.

Winter, 1

207. Journal Club.—One hour weekly throughout the year for presentation and discussion of oral and written reports on literature pertaining to pharmacology, etc.

Winter, 1

208. Clinical Therapeutic Conference.—One hour weekly throughout the year for fourth-year students. The work consists of conferences on therapeutic methods and results at the bedside; given in the wards of San Francisco Hospital. Limited to six students.

(Lee) Wednesdays

VIII. PHYSIOLOGY

Ernest Gale Martin, Professor

James Rollin Slonaker, Frank Walter Weymouth, Associate Professors

James Percy Baumberger, Laurence Irving, George Daniel Shafer, Assistant Professors

John Field II, Victor Ernest Hall, Acting Instructors

[See Courses 103, 104, 105, and 207 outlined on pp. 170–71.]

IX. PUBLIC HEALTH AND PREVENTIVE MEDICINE

Ernest Charles Dickson, Professor
Richard G. Brodrick, Clinical Professor of Hospital and Health Administration.
George Dock (Tropical Medicine), Morton Raymond Gibbons (Industrial Medicine and Life Insurance), Harry Reeves Oliver (Military Hygiene), Alfred Cummings Reed (Tropical Medicine), Clarence Olds Sappington (Vital Statistics and Industrial Hygiene), Harry Alphonso Wyckoff (Parasitology and Serology), Lecturers.
C. Emelia Peterson, Research Assistant
Ruth Wells, Assistant Bacteriologist

201. The Principles of Public Health and Preventive Medicine.—A lecture course of 60 hours which includes discussion of the various problems of Public Health and Preventive Medicine. The lectures are given by members of the teaching staff and by others who are actively interested in various aspects of Public Health work.

2 hours (60 hours), fifth, sixth, seventh, and tenth quarters (Dickson and Others) (Room 311) 5th and 6th quarters, MTh 4–5; 7th and 10th quarters, MTh 3:30–4:30
Autumn, 85; winter, 44; spring, 43

202. Parasitology.—A laboratory course in which the student has an opportunity to study the usual parasites which are encountered in medical practice.

2 hours (20 hours), seventh and tenth quarters (Wyckoff)
Autumn, 85 (Room 312*b*) F 2:30–5:00

203. Demonstrations and Conferences.—A laboratory and practical course which includes discussions and demonstrations of the problems of laboratory diagnosis of infectious diseases, vaccination, serum therapy, epidemiology, etc.

2 hours (20 hours), eighth and eleventh quarters (Dickson)
Winter, 85 (Room 311) F 2:30–4:30

204. Sanitary Survey.—Each student is required to make a sanitary survey of a municipality or industrial plant, an epidemiological investigation of an outbreak of communicable disease, or a report on some other problem of public health control, and to present the report prior to the beginning of the fourth year. The problem to be investigated should be selected by the student but must be approved by the executive of the department.

32 hours (minimum)

ELECTIVE COURSES

205. Tropical Medicine.—A course of lectures and discussions dealing especially with those tropical diseases which occur in the United States and emphasizing the common methods of spread and of mass control.

2 hours (20 hours), fourth year (Reed) Hours to be arranged

206. Serology.—A laboratory course in which the student becomes familiar with the methods of preparing and standardizing antigens, amboceptors, etc., and with the technic of complement fixation tests (Wassermann test) and agglutination tests. Limited to six students.

2 hours (20 hours), fourth year, spring quarter (Wyckoff)
Spring, 5 (Room 312*b*) F 2:30–4:30

X. SURGERY

Adolph Barkan, Stanley Stillman, Professors Emeritus
Rufus Lee Rigdon, Clinical Professor Emeritus

Emile Frederic Holman (Executive), Frank Ellsworth Blaisdell, Leonard W. Ely, Emmet Rixford, Professors

John Francis Cowan, Leo Eloesser, Philip Kingsnorth Gilman, Albert Brown McKee, Edward Cecil Sewall, Clinical Professors

Frederick Leet Reichert, Associate Professor

John Adolph Bacher, James Root Dillon, Arthur L. Fisher, Harrington Bidwell Graham, Harry Leslie Langnecker, Harvard Young McNaught, Caroline B. Palmer, Edward B. Towne, Associate Clinical Professors

Hans Barkan, John Robert Burrows, Edmund Butler, Sylvan L. Haas, Assistant Clinical Professors

Rea Ernest Ashley, Otto Barkan, Loren R. Chandler, Sigurd von Christierson, Harold Augustus Fletcher, Hans Hartman, Merrill C. Mensor, Roy F. Nelson, Lloyd Robinson Reynolds, Frank H. Rodin, Wilber Swett, Chester Howard Woolsey, Clinical Instructors

George Dewey Brown, Bernard A. Cody, Hubert W. Dudley, Samuel A. Goldman, Gordon F. Helsley, James Gordon Henderson, Robert S. Irvine, J. Minton Meherin, Edmund J. Morrissey, Robert A. Ostroff, Aubrey Gatliff Rawlins, Lorruli Anna Rethwilm, Edward Salomon, Roy Philson Stoops, Assistants

Frank R. Girard, George Washington Hartman, Henry Anthon Lewis Ryfkogel, Alfred Jacob Zobel, Lecturers

Ferd W. Callison, Hiram B. Duncan, Assistant Lecturers

DIVISIONS

Ophthalmology	Orthopedic Surgery
Genito-Urinary Diseases	Otology, Rhinology, and Laryngology

GENERAL PLAN OF INSTRUCTION

Instruction in Surgery begins in the fifth quarter of the second year with recitations and discussions on assigned reading in a standard textbook. This course is intended to acquaint the student with the principles of surgery. Elementary instruction in the physical diagnosis of surgical conditions is included in the course given by the Department of Medicine. Two lectures on anaesthesia are included in the course.

The laboratory course in the second year will include demonstrations of methods of sterilization of surgical supplies. It will include also demonstrations of the proper conduct in the operating room with reference to silence, maintaining asepsis, and assisting at operations. Demonstrations and practice in the use of bandages, plaster, and surgical appliances will be provided. The laboratory course in fractures and dislocations will include a study of X-ray plates and the production of the more important fractures and dislocations on a cadaver with immediate examination by dissection.

In the third year the students will serve in the surgical wards of the Lane and San Francisco Hospitals as clinical clerks for a period of eight weeks in each hospital. The student will be an integral member of the surgical house staff, spending his time each morning from 8:30 to 11:30 on the wards and in the operating rooms. Ward rounds will be held daily at 8:30 covering the fields of general surgery, orthopedics, urology and gynecology. The patients entering the hospital on these services will be assigned to the student in rotation, and the student will be held responsible for a complete history, and a complete physical examination under the supervision of the interne, and for the routine laboratory work such as urinalysis, blood, sputum, and feces analysis. The student will be responsible for the presentation of his cases at clinics, conferences, and ward rounds, and must be primed in collateral reading for a full discussion of the case at these meetings. The student will assist at the operations on his patients and will follow closely the post-operative care of the patient. He will be held responsible for a description of the macroscopic and microscopic appearance of whatever pathological material is obtained. During this period the student will give anaesthesia under supervision to ten cases.

Before entering upon his work in the ward the student will be expected to provide himself with a certain minimum equipment which will enable him to make complete examinations of all patients under his care, so that he may thoroughly acquaint himself with the normal tissues before encountering the abnormal. This equipment will include the following: stethoscope, percussion hammer, tape measure, skin pencil, hemacytometer, nasal speculum, laryngeal mirror, ophthalmoscope, otoscope, head-mirror, haemometer, sphygmomanometer, and a thermometer. This equipment represents the instruments that every practitioner should have when he begins the practice of medicine. and it is to his advantage to learn their use while a student.

Amphitheater clinics will be held once weekly at the San Francisco Hospital, attended by one-half the third-year class, and once weekly at the Lane Hospital, attended by the other half of the third-year class and by all the fourth-year class. Patients will be presented so as to illustrate, in the course of the year, most of the surgical diseases of the different regions of the body.

In the fourth year the student will be assigned to work in the various clinics of the Out-Patient Department. Under the supervision of instructors, he will examine and help care for the patients in the surgical, orthopedic, urological, otolaryngological, and ophthalmological dispensaries. An attempt will be made in some of the clinics to duplicate individual office practice.

During the fourth year certain elective courses will be open to a limited number of students who are particularly interested in the field of surgery, and in the laboratory investigation of surgical problems. This elective work will include an operative course in which surgical procedures are performed on living animals under complete ether anaesthesia and under exactly the same conditions that prevail in a modern operating room, particular attention being paid to asepsis, hemostasis, and technical procedures.

During one-half the third year and during all the fourth year, the student will attend once weekly the out-patient amphitheater clinic. At this clinic patients from the several out-patient dispensaries will be presented who illustrate the common or minor ailments which are not diagnostic problems, which do not require hospital care, and which can be disposed of by dispensary treatment. In this way it is hoped to acquaint the student with a fair

knowledge of how to care for the numerous minor ailments which he will encounter immediately upon his entrance into practice.

REQUIRED COURSES FOR SECOND-YEAR STUDENTS

201. Introduction to Surgery.—Recitations and discussions on assigned reading.
2 hours (40 hours), winter and spring quarters (HOLMAN, REICHERT, PALMER)
Winter, 43; spring, 42 (Room 506 and Surgical Clinic) TTh 11:30–12:30

202. Fractures and Dislocations.
3 hours (30 hours), winter and spring quarters (BLAISDELL)
(Room 515) One-half the class on alternate Wednesdays 1:30–4:30
Winter, 21; spring, 22

203. Laboratory Course.—Demonstrations and practice in operating, bandaging, and splinting.
3 hours (30 hours), winter and spring quarters (HOLMAN, REICHERT, HAIG)
(Surgical Amphitheater) One-half the class on alternate Wednesdays 1:30–4:30
Winter, 22; spring, 20

REQUIRED COURSES FOR THIRD-YEAR STUDENTS

For purposes of morning instruction the third-year class is divided into four sections, A, B, C, and D, each section spending eight weeks on each of the following services: (*a*) Lane Hospital Medicine, (*b*) Lane Hospital Surgery, (*c*) San Francisco Hospital Medicine, (*d*) San Francisco Hospital Surgery.

204. Ward Rounds and Ward Work: Lane Hospital.
104 hours (gynecology, 40 hours) for 8 weeks
(HOLMAN, ELY, REICHERT, DILLON, PALMER, and STAFF) Daily 8:30–11:30
First semester, 32; second semester, 30

205. Ward Rounds and Ward Work: San Francisco Hospital.
90 hours (gynecology, 30 hours) for 8 weeks
(RIXFORD, ELOESSER, BUTLER, DILLON, and STAFF) Daily 8:30–11:30
First semester, 30; second semester, 32

206. Operating Clinic: San Francisco Hospital.—One-half the class.
1½ hours (24 hours) (RIXFORD) Th 8:30–10
First semester, 30; second semester, 32

207. Clinic on Hospital Patients.—One-half the class.
1 hour (16 hours) (HOLMAN, ELY, REICHERT, DILLON)
(Lane Hospital, Surgical Amphitheater) F 11:30–12:30
First semester, 53; second semester, 51

208. Urology.—Lectures.
1 hour (10 hours), autumn quarter (DILLON) (Room 311) T 1:30–2:30
Autumn, 48

209. General Surgical Pathology and Diagnosis.—Current material will be utilized as much as possible.
1 hour (31 hours), autumn, winter, and spring quarters (BLAISDELL)
Autumn, 48; winter, 48; spring, 48 (Room 506) T 3:30–4:30

210. Orthopedic Surgery.—Lectures.
1 hour (10 hours), winter quarter (ELY) (Lane Hall) T 1:30–2:30
Winter, 48

211. Clinic on Patients from All Dispensaries.—One-half the class.
1 hour weekly throughout the year (COWAN or GILMAN, in Surgery)
First semester, 53; second semester, 51 (Lane Hall) S 11:30–12:30

REQUIRED COURSES FOR FOURTH-YEAR STUDENTS

For purposes of dispensary instruction, the fourth-year class is divided into eight sections of about six students each. These sections serve daily in the

following dispensary clinics: General Medicine, 8 weeks; General Surgery, 4 weeks; Urology, 4 weeks; Gynecology and Obstetrics, 4 weeks; Pediatrics, 4 weeks; Neurology, 4 weeks; Orthopedics, 2 weeks; and Dermatology, 2 weeks.

207. Clinic on Hospital Patients.
1 hour weekly throughout the year (31 hours) (HOLMAN, ELY, REICHERT, DILLON) (Surgical Amphitheater) F 11:30–12:30
First semester, 53; second semester, 51

211. Clinic on Dispensary Patients from All Dispensaries.
1 hour weekly throughout the year (COWAN, GILMAN, in Surgery)
First semester, 53; second semester, 51 (Lane Hall) S 11:30–12:30

212. Surgical Dispensary.
2 hours (48 hours) for 4 weeks (COWAN, GILMAN, CHANDLER, and STAFF) Daily 9:30–11:30
First semester, 10; second semester, 11

213. Orthopedic Dispensary.
2 hours (24 hours) for 2 weeks (ELY, FISHER, and STAFF) Daily 9:30–11:30
First semester, 11; second semester, 10

214. Urological Dispensary.
2 hours (48 hours) for 4 weeks (DILLON and STAFF) Daily 9:30–11:30
First semester, 8; second semester, 8

215. Ophthalmology.
Lecture 1 hour (31 hours), autumn, winter, and spring quarters (BARKAN) (autumn and winter, Lane Hall; spring, Room 311) T 1:30–2:30

Out-Patient and Bedside Instruction. (Class will be divided into three sections. Section I will meet on Tuesday; Section II, Wednesday; Section III, Thursday): 1 hour (31 hours) autumn, winter, and spring quarters (MCKEE, SWETT, and STAFF) (Dispensary) TW or Th 2:30–3:30
Autumn, 37; winter, 37; spring, 37

216. Otology, Rhinology, and Laryngology.
Lecture: 1 hour (31 hours), autumn, winter, and spring quarters (SEWALL) (Room 311) Th 1:30–2:30

Out-Patient and Bedside Instruction. (Class will be divided into three sections. Section II will meet on Tuesday; Section III, Wednesday; Section I, Thursday): 1 hour (31 hours), autumn, winter, and spring quarters (BACHER, MCNAUGHT, VON CHRISTIERSON, ASHLEY, and STAFF)
Autumn, 37; winter, 37; spring, 37 (Dispensary) TW or Th 2:30–3:30

ELECTIVE COURSES

217. Surgical Anatomy.
2 hours (20 hours), autumn quarter (BLAISDELL) (Anatomical Amphitheater) By arrangement

218. Surgical Ward Rounds.
5 hours (20 or 40 hours) for 4 or 8 weeks (Lane Hospital) Daily 8:30–9:30
First semester, 11; second semester, 10

219. Operative Surgery on Animals.—Limited to 15 students. Student serves in succession as anesthetist, surgeon, first assistant, instrument man, and nurse.
3 hours (30 hours), spring quarter (HOLMAN, REICHERT, CHANDLER) F 1:30–4:30

220. Research Laboratory.—Limited to two students at a time.
(20 or 40 hours) for 4 or 8 weeks (BLAISDELL, HOLMAN)
Winter, 2; spring, 1

221. Emergency Surgery.—Limited to six students. The student is assigned to one of the emergency hospitals for duty during certain hours of the day. He assists the resident medical officer in caring for patients admitted for treatment. This includes instruction in minor as well as major emergency procedures, more particularly fractures.
2 hours (40 or 80 hours) for 4 or 8 weeks (BUTLER) Daily in afternoon
Autumn, 5; winter, 6; spring, 4

222. Anaesthesia.—Limited to two students at a time.
(20 or 40 hours) for 4 or 8 weeks (PALMER)
Winter, 1; spring, 16

223. Special Dispensary Work may be undertaken in any one of the surgical specialties including otolaryngology, ophthalmology, urology, and orthopedics.
Winter, 1 By arrangement

PRE-NURSING CURRICULUM

The Pre-Nursing Curriculum is designed primarily for those who wish to prepare themselves for administrative, teaching, social service, or public health work. The curriculum consists of three years' work at Stanford University, and two years' (24 months') work at the Stanford School of Nursing, San Francisco, the degree of Bachelor of Arts and the Nursing Diploma being conferred at the close of the five years. The completion of 135 units of University work and acquirement of 135 grade points are necessary before the student may enter the School of Nursing.

The requirements for admission are the same as for other courses in the University.

CURRICULUM

First Year

Autumn Quarter		Winter Quarter		Spring Quarter	
Subject	Units	Subject	Units	Subject	Units
Citizenship	4	Citizenship	4	Citizenship	4
*Chemistry 10	4	Chemistry 11	4	Chemistry 12	4
Language	3	Language	3	Language	3
Electives	4	Electives	4	Electives	4

Second Year

Language or Literature	3	English 2	3	English 2	3
History	3	History	3	History	3
**Biology 1	5	**Biology 2	4	Anatomy 112 (Embry.)	5
Electives	4	Electives	5	Electives	4

Third Year

Physiology 101	5	Physiology 102	5	Bacteriology 102	5
Psychology 51	5	Electives	10	Anatomy (Special)	5
Electives	5			Electives	4

This schedule presupposes entrance credit of 2 units in a foreign language, 1 unit in Chemistry, and 1 unit in History.

*Students offering no entrance credits in Chemistry will take Courses 1, 2, and 3.

**Students having entrance credit in a biological science are advised to take Zoölogy 1 and Zoölogy 2 (Comparative Anatomy) autumn and winter quarters, respectively.

Some suggested electives are: Economics 2 (Elementary Sociology); Economics 101 (Labor Problems); Economics 103 (Care of Dependents); Economics 105 (Crime as a Social Problem); Economics 116 (Immigration); Zoölogy 108 (Animal Genetics); Physical Education 1 (Personal Hygiene); Political Science 2 (State and Local Government); Political Science 110 (Administrative Organization); Psychology 55 (Experimental Psychology); Public Speaking 4 (Vocal Expression); Public Speaking 5 (Reading Aloud); Law 1 (Introductory Course).

The degree of Bachelor of Arts is given only for the five years' combined University and Nursing Course. Students who wish to take the degree of Bachelor of Arts before transferring to the School of Nursing should register in one of the major departments of the University. By careful planning it is possible to fulfill both the requirements for the degree of Bachelor of Arts in the major department and those of the Pre-Nursing Curriculum.

Graduates of schools of nursing affiliated with an institution of collegiate rank may be granted, on recommendation of the Pre-Nursing Committee, a maximum advanced credit of forty-five units, provided they have also fulfilled the requirements for admission to the University. For admission requirements see page 97.)

To qualify for the degree of Bachelor of Arts, graduates of schools of nursing admitted to advanced standing will be required to fulfill both the Lower Division requirements and those of the major department in which they ultimately register. (For details of requirements see *Registration Manual for Lower Division* and the departmental announcements in this *Bulletin*.)

Pre-Nursing students entering with advanced standing from other universities are required to take a minimum of 45 units of resident work at Stanford University. While this minimum of 45 units usually presupposes a residence of three University quarters, the completion of the collegiate part of the Pre-Nursing Course in this minimum of time is possible for only those students who have fulfilled the requirements of the first six quarters, including the Lower Division requirements.

Students interested in this course should confer with Professor C. S. Stoltenberg, Stanford University, or with Professor Maude Landis, Superintendent of Nurses, Stanford Hospital, San Francisco.

MEMORIAL CHURCH

The Reverend David Charles Gardner, Chaplain
Warren D. Allen, Organist

Memorial Church stands in the center of the inner quadrangle group, facing the main entrance. It is of modified Moorish-Romanesque architecture, in the form of a cross with rounded ends. The extreme length is one hundred and ninety feet, the extreme width, one hundred and fifty feet. The exterior finish is like that of the other quadrangle buildings except for the mosaics of the façade, the central feature being a striking representation of the Sermon on the Mount. The interior walls are buff sandstone, with tooled face, relieved by elaborate carved designs and fifteenth-century mosaics of great beauty. The features of the apse are the marble altar, the stained glass windows representing the Nativity, the Crucifixion, and the Ascension, and the mosaics covering the wall surface. Behind the altar is a replica of Cosimo Rosselli's Last Supper, from the Sistine Chapel at Rome. To the right and left, running to the arch of the apse, are long panels, a *gloria dei angeli* surmounted by reproductions in mosaic of Michelangelo's Prophets. The cove ceiling is also done in mosaics representing angels with trumpets. The nineteen stained glass windows of nave, transept, and apse illustrate the Life of Christ. The windows of the clerestory contain single figures of Old and New Testament characters, and the mosaics depict mostly Old Testament scenes. The seating capacity of the church, including galleries, is about seventeen hundred.

Memorial Church is unsectarian and without formal organization, but linked to historic Christianity by its ministry and sacraments. The services are informal and varied, conserving the great principles of Christian worship.

SERVICES

Daily Chapel, with address, 7:50 A.M.
Sunday, Divine Worship and Sermon, 11 A.M. (Holy Communion as announced.)

ORGAN RECITALS

Sunday, 4:00 P.M.; Tuesday, 4:15 P.M.; Thursday, 4:15 P.M.

MUSIC

WARREN D. ALLEN, Organist, and Director of the University Choir
ERNEST WHITNEY MARTIN, Associate Professor of Classical Literature, and Director of the University Band

1. Choir.—The choir sings at the morning service each Sunday in Memorial Church, the music consisting of anthem, chant, and hymns. Continuous course until end of year.
1 unit per quarter (ALLEN) Rehearsal Th 7:35 P.M.
Autumn, 53; winter, 47; spring, 28; summer, 20

2. Oratorio.—A separate choir, formed for the performance of oratorio and other major choral works.
1 unit per quarter (ALLEN) Rehearsal Th 8:20 P.M.
Autumn, 50; winter, 57; spring, 43

3. Orchestra.—A course in orchestral and ensemble playing for students with sufficient experience in handling stringed instruments, wood-wind, or brass. Registration only upon passing of an individual trial.
1 unit per quarter (ALLEN) W 7:15–9:15 P.M.
Autumn, 16; winter, 17; spring, 21

4. Military Band.
1 unit per quarter (E. W. MARTIN) TTh 4:15–5:30, 7–8 P.M.
Autumn, 88; winter, 72; spring, 70

PHYSICAL EDUCATION FOR MEN

THOMAS A. STOREY, Professor of Hygiene and Physical Education for Men, and General Director of Encina Gymnasium
WILLIAM HULBERT BARROW, Professor of Physical Education and Medical Adviser
ERNEST PAUL HUNT (Basketball and Freshmen Sports), ROBERT LYMAN TEMPLETON (Track and Field), GLENN SCOBEY WARNER (Football), HARRY MEIGGS WOLTER (Baseball), Directors
ERNST BRANDSTEN (Water Sports), CHARLES WESLEY DAVIS (Intramural Sports and Gymnastics), HARRY WILFRED MALONEY (Minor Sports), CLAUDE E. THORNHILL (Football), Associate Directors
HAROLD MCDONALD DAVIS (Tennis, Wrestling), CHARLES MYRON SPRAGUE (Swimming and Gymnastics), J. CHARLES WINTERBURN (Football), Assistant Directors
HOWARD L. MITCHELL, Instructor
HERBERT LEE NIEBEL, Lecturer (Autumn Quarter)
ALFRED R. MASTERS, General Manager
WALLACE DENNY, Trainer

The Department of Physical Education for Men includes under its jurisdiction all of the recognized athletic activities of the men students of the University. Work is so graded and arranged that every student, regardless of his ability, is enabled and encouraged to take active part in these activities. With the exception of those who elect military training, enrollment in some chosen specified sport, for three one-hour periods per week, is required of all Lower Division students. Upper Division students who have fulfilled this requirement may enroll in any of the sports or classes, and if they satisfy the requirement in regard to attendance and performance will receive one unit of credit for each quarter they are thus enrolled. Physical examination is made of all men in their first quarter at the University, and of all candidates for teams or athletic competition.

In addition to the required work, and the intercollegiate and intramural activities, courses will be offered from time to time when practicable in the theory and practice of certain sports. Such courses will combine lectures and required reading with field work and will carry academic credit. Courses 1 and 2 listed below will be given each year to afford the opportunity for students to become familiar with certain essentials of personal and community health.

1. Elementary Physiology and Hygiene.—The course is designed for men students in their first year at the University and does not require any previous knowledge of the subject. There are two lectures a week and required reading. The course is general in character and covers elementary anatomy of the human body and its normal functioning, cell formation and the differentiation of body tissues, effect of and reaction to disease, personal hygiene and first aid. This course may be applied toward the fulfillment of the lower division biological science requirement.

2 units, autumn quarter (NIEBEL) TTh 9
Autumn, 101

PHYSICAL EDUCATION FOR WOMEN

†Helen Masters Bunting, Assistant Professor, and Director of Physical Education for Women
Clelia Duel Mosher, Associate Professor of Personal Hygiene, and Medical Adviser of Women
Ruth Calvin, Instructor, and Acting Director
Ethel Dale Owen, Acting Medical Adviser of Women (Summer Quarter)
Greta Johannsen Brandsten, Marguerite McGowen, Instructors
Marion Russell Woehnert, Assistant in Instruction
Alice Boulware, Secretary

The aim of Roble Gymnasium, as a laboratory of personal hygiene, is to improve the standard of health of the women; to increase their mental and physical efficiency; to foster a spirit of democracy and sportsmanship; and so to prepare for the highest type of citizenship.

Physical Education is required of all Lower Division students, and satisfactory completion of each quarter in Physical Education is essential to promotion to the upper division. In general, the arrangement will be as follows: One hour of gymnastics per week for each quarter, and two hours per week for one quarter each of dancing, swimming, and an outdoor sport, or a combination of any of the two-hour courses. After one quarter has been successfully passed in each of these two-hour courses the student may choose any two-hour courses offered to complete her required number of quarters.

A physical examination is made of each student in order to give advice as to work to be undertaken and to aid the student in removing any remedial physical handicaps.

One unit of university credit per quarter is given for three hours per week of satisfactory work in the activities courses, whether elective or required.

PERSONAL HYGIENE

1. Personal Hygiene.—A study of some of the factors which make for normal development and maximum efficiency in everyday living. Two sections.

3 units, winter and spring quarters (Mosher) MWF 10, 11
Winter, 39; spring, 26

PHYSICAL EDUCATION

1–5. Gymnastics.—

1. Elementary Formal Gymnastics (one hour), combined with a two-hour course in dancing, swimming, or sports.
1 unit per quarter (McGowen)

2. Intermediate Formal Gymnastics (one hour), combined with any two-hour Physical Education course.
1 unit per quarter (McGowen)

3. Advanced Formal Gymnastics (one hour), combined with any two-hour Physical Education course.
1 unit per quarter (McGowen)
Courses 1, 2, and 3, combined: Autumn, 28; winter, 21; spring, 18

† Absent on leave, 1926–27.

5. Remedial Gymnastics (two hours), combined with any other course in Physical Education. Required of freshmen and sophomores whose posture demands special correction or who have other remedial handicaps. Elective for juniors and seniors. Open only on consultation.
1 unit per quarter (McGowen)
Autumn, 11; winter, 24; spring, 5; summer, 6

10–19. Dancing.—

10. Elementary Natural Dancing (two hours).
Autumn, 36; winter, 27; spring, 18; summer, 26

11. Intermediate Natural Dancing (two hours).
Autumn, 20; winter, 24; spring, 22

12. Advanced Natural Dancing (two hours).
Autumn, 19; winter, 46; spring, 16

15. Folk Dancing (two hours).
Winter, 21

One quarter of either Course 10, 11, 12, or 15 required in freshman year. One or more additional quarters may be taken in sophomore year in fulfillment of the Physical Education requirement. Elective for juniors and seniors.
Combined with any other physical education course.
1 unit per quarter (Calvin)

20–29. Swimming and Diving.—

20. Elementary Swimming (two hours).
Autumn 8; spring, 15; summer, 38

21. Intermediate Swimming. Requirement, 75 ft., any stroke (two hours).
Autumn, 48; winter, 12; spring, 51; summer, 45

22. Advanced Swimming. Requirement, 75 ft., crawl or trudgeon stroke, (two hours).
Autumn, 27; winter, 22; spring, 21; summer, 20

23. Competitive Swimming. Prerequisite: Course 22 or its equivalent (two hours).
Spring, 29

25. Elementary Diving. Requirement, straight dive from three-foot board (two hours).

26. Intermediate Diving. Requirement, running swan dive, back dive, forward jackknife dive from three-foot board.

27. Advanced Diving. Requirement, in addition to that of course 26, backward jackknife dive, and forward and backward somersaults from three-foot board.
Courses 25, 26, and 27, combined: Autumn, 12; winter, 6; spring, 7; summer, 13

One quarter of either swimming or diving required in freshman year. One or more additional quarters may be taken in sophomore year in fulfillment of the Physical Education requirement. Elective for juniors and seniors.
Combined with any other physical education course.
1 unit per quarter (Brandsten, Calvin, Woehnert)

30–242. Sports.—

30. Elementary Archery.

31. Intermediate Archery.

32. Advanced Archery.
Courses 30, 31, and 32 combined: Autumn, 60; winter, 52; spring, 50

33. Freshman Basketball.
Winter, 21

34. Sophomore Basketball.
Winter, 37
133. Junior Basketball.
Winter, 16
134. Senior Basketball.
Winter, 21
234. Graduate Basketball.

35. Freshman Hockey.
Autumn, 25
36. Sophomore Hockey.
Autumn, 30
135. Junior Hockey
Autumn, 22
136. Senior Hockey.
Autumn, 10
236. Graduate Hockey.

38. Elementary Tennis.
Autumn, 60; winter, 32; spring, 32
39. Intermediate Tennis.
Autumn, 29; winter, 39; spring, 39
40. Advanced Tennis.
Autumn, 15; winter, 16; spring, 32
41. Freshman Track.
Spring, 17
42. Sophomore Track.
Spring, 8
141. Junior Track.
Spring, 8
142. Senior Track.

242. Graduate Track.

One quarter of one sport required in freshman year; one or more additional quarters may be taken in sophomore year in fulfillment of the Physical Education requirement. Elective for juniors and seniors.
Combined with any other physical education course.
1 unit per quarter (McGowen, Woehnert)

110–299. Professional Courses.—Professional courses for training teachers of Physical Education. In preparation.

REGULATIONS AND REQUIREMENTS

Costume.—The gymnasium suit is especially designed for Stanford students and must be purchased at Roble Gymnasium. A limited number of suits may be rented at a nominal cost in special cases, upon consultation with the Director. Regulation gymnasium shoes are required for gymnastic and outdoor classes. Swimming suits are provided by the University. Each student provides her own caps and towel tickets. The complete outfit costs approximately fifteen dollars.

Tennis.—The student is required to furnish her own racquet and balls.

Removal of Property.—All suits, shoes, racquets, or personal property not claimed within three days after the close of classes in this department each quarter will be collected and disposed of.

Fees.—A fee of $1.00 per day will be imposed for needless late registration in required classes. Special fees will be charged as follows: Archery, $2.00; corrective gymnastics, $1.00; locker, 50 cents.

Deposit.—A deposit of $1.00 will be required for hockey, 50 cents of which will be refunded when property is returned.

SCHOOL OF PHYSICAL SCIENCES

Carl Lucas Alsberg, Eliot Blackwelder, Hans Frederik Blichfeldt, Edward Curtis Franklin, David Locke Webster (*Chairman*), *Executive Committee*

The School of Physical Sciences consists of the departments of Chemistry, Geology, Mathematics, and Physics. Its faculty includes all members of these departments and certain professors of Biology, Engineering, Medicine, and Philosophy whose work is related to the physical sciences.

Programs of study are offered by the individual departments leading to degrees in their respective sciences. For the Bachelor's degree these programs are supplemented by a general program offered by the School leading to the degree of Bachelor of Arts in the Physical Sciences. Each candidate for the degree of Bachelor of Arts in the Physical Sciences will be required to take forty-five units of work in the physical sciences while he is registered in the Upper Division, and to have or acquire a reading knowledge of French or German. His program of study must be approved by a special adviser appointed by the Executive Committee of the School of Physical Sciences. It is the policy of the faculty of the School that such programs of study must consist largely of advanced work.

CHEMISTRY

Robert Eckles Swain, Edward Curtis Franklin, *Lionel Remond Lenox, James William McBain, Stewart Woodford Young, Professors

Carl Lucas Alsberg, Director, Food Research Institute

John Pearce Mitchell, Registrar

William Henry Sloan, Associate Professor

Elton L. Quinn, Acting Associate Professor (Winter Quarter)

Maurice Loyal Huggins, George Sutton Parks, Assistant Professors

James Murray Luck, Acting Assistant Professor

Mary Evelyn Laing, Research Associate

Francis William Bergstrom, James Stuart Blair, Robert Nicholas Wenzel, Instructors

General Chemistry.—A systematic treatment of chemical principles and their applications. Open to all students. Courses 1, 2, and 3 are designed for students who have not taken Chemistry in the high school or whose previous training is not adequate to admit them to Course 10. Courses 10, 11, and 12 cover the same general field more thoroughly. Students registering for General Chemistry who have had previous training in Chemistry will take a placement examination for admission to Course 10 to be given at the opening of the Autumn Quarter.

* Deceased July 25, 1927.

1. General Chemistry.—For students who have had no chemistry and for those who fail to pass placement examination. Only 3 units of credit will be given to students who have entrance credit in chemistry.
4 units, autumn, *winter, and *summer (first term) quarters
(MITCHELL, LAING, WENZEL) Lec. MW 8; Lab. and recitation MT or ThF 1–4
Autumn, 129 (2 sections); winter, 39; summer, 17

2. General Chemistry.—Continuation of Chemistry 1.
4 units, winter, *spring, and *summer (second term) quarters
(MITCHELL, LAING, WENZEL) Lec. MW 8; Lab. and recitation MT or ThF 1–4
Winter, 110; spring, 45; summer, 17

3. General Chemistry.—Continuation of Chemistry 2.
4 units, spring and *autumn quarters (WENZEL)
Lec. MW 8; Lab. and recitation MT or WTh 1–4
[Not given in autumn quarter, 1926–27]
Spring, 83

10. General Chemistry.—For students who pass the placement examination.
4 units, autumn quarter (SWAIN, HUGGINS)
Lec. TTh 8; Lab. and recitation MT or ThF 1–4
Autumn, 138 (3 sections)

11. General Chemistry.—Continuation of Chemistry 10.
4 units, winter quarter (MCBAIN, HUGGINS)
Lec. TTh 8; Lab. and recitation MT or ThF 1–4
Winter, 110 (3 sections)

12. General Chemistry.—Continuation of Chemistry 11.
4 units, spring quarter (MCBAIN, HUGGINS)
Lec. TTh 8; Lab. and recitation MT or ThF 1–4
Spring, 73

20. Qualitative Analysis, Lecture and Laboratory.—Open to students who have completed Course 3 or 12.
5 units, autumn, *winter, and *spring quarters (LENOX)
Autumn, 30; winter, 20; spring, 9 Lec. TTh 1:05; Lab. 4 afternoons

51. Principles of Inorganic Chemistry.—Lectures dealing with the more important theories and generalizations of inorganic chemistry. Prerequisite: Chemistry 3. Not open to students who have completed Chemistry 12.
3 units, winter quarter (———) [Not given in 1926–27]

101. Principles of Inorganic Chemistry.—Discussion of the elements of chemical theories and of important generalizations in the field of inorganic chemistry. Prerequisite: Chemistry 3, or an equivalent.
5 units, autumn quarter (SWAIN, HUGGINS) MTWThF 11
Autumn, 107

103. Ammunition and Explosives.—A discussion of the ballistic powders and high explosives used during the World War, including the chemistry involved not only in their preparation but also in the preparation of the raw materials necessary for their manufacture. The course also covers the preparation and use of primers and primer mixtures. In addition to the outline above, the new explosives which have not yet been used but which promise to become of great importance in the future will be discussed.
2 units, winter quarter (QUINN) TTh 10
Winter, 28 (2 sections)

111. Quantitative Analysis.—Lecture course. Must be taken in conjunction with Course 112.
1 unit, autumn, *winter, *spring, and *summer quarters
(SLOAN, BLAIR) TTh 3:05
Autumn, 31; winter, 29; spring, 25; summer, 11

112. Quantitative Analysis.—Introductory. Training in manipulation in gravimetric and volumetric methods. Open to students who have completed Course 20. Not open to first-year students. Given in conjunction with Course 111. Five units required of all chemistry majors.

4 or 5 units, autumn, *winter, *spring, and *summer quarters (Sloan, Blair) 4 or 5 afternoons
Autumn, 29; winter, 28; spring, 25; summer, 12

114. Quantitative Analysis.—A continuation of Course 112, principally gravimetric methods.

5 units, autumn, *winter, and *spring quarters (Sloan, Blair) 5 afternoons
Autumn, 6; winter, 4; spring, 1

121. Organic Chemistry.—Lectures and reviews on the chemistry of carbon compounds. Open to students who have completed Course 101 or its equivalent.

5 units, winter quarter (Franklin) MTWThF 11
Winter, 49

122. Organic Preparations.—Preparation and study of typical carbon compounds. Open in connection with Courses 121 and 123 to students who have completed Course 20.

5 units, winter, *spring, and *summer quarters (Franklin, Bergstrom)
Winter, 13; spring, 15; summer, 5

123. Organic Chemistry.—Continuation of Chemistry 121.

5 units, spring quarter (Franklin) MTWThF 11
Spring, 47

124. Advanced Organic Laboratory.—Organic analysis. Training in searching the chemical literature and in making special preparations. Open to students who have completed Chemistry 122, or equivalent and who have some knowledge of German.

5 units, winter, *spring, and *summer quarters (Bergstrom) Hours by arrangement
Winter, 5; spring, 10; summer, 5

125. The Ammonia System of Compounds.—Advanced topics in organic chemistry, including stereochemistry. Open to students who have completed Courses 101, 121, 123.

3 units, spring quarter (Franklin) MWF 8
Spring, 27

126. Advanced Organic Preparations.

3 to 5 units, spring quarter (Bergstrom) 3 to 5 afternoons
Spring, 7; summer, 4

127. Elementary Organic Chemistry.—A condensed lecture course in organic chemistry, offered particularly for students in biology and medicine, but open to all students who have completed Course 20 or 51 or 12. Not for Chemistry majors.

5 units, winter and *summer quarters (Bergstrom) (winter) MTWThF 8
Winter, 28; summer, 18 (summer) MTWThF 10

128. Organic Chemistry.—A laboratory course designed especially to accompany Course 127. Not for Chemistry majors.

3 units, winter and *spring quarters (Bergstrom) 3 afternoons
Winter, 10; spring, 5

141. Biochemistry.—Lectures on the chemical composition of the tissues and secretions of the animal body. Open to students who have completed Courses 121 and 123, or 127.

2 units, autumn and *summer quarters (Luck) TTh 8
Autumn, 77; summer, 26

142. Biochemistry.—A laboratory course including a preliminary study of the proteins, carbohydrates, and fats, and the action of the various

digestive fluids upon them; followed by a chemical examination of the bile, blood, milk, and the chief tissues of the animal body. In connection with Course 141. Prerequisites: Courses 123 (or 127), 111 and 112.
2 or 3 units, autumn and *summer quarters (Luck) 2 or 3 afternoons
Autumn, 76; summer, 16

143. Biochemistry.—Continuation of Course 141, with particular reference to such topics as the nutrition, metabolism, and the waste products of the human organism.
2 units, winter and *summer quarters (Luck) TTh 8
Winter 71; summer, 23

144. Biochemistry.—Continuation of Course 142. The work of this course is devoted chiefly to the quantitative analysis of milk, blood, and urine.
2 or 3 units, winter and *summer quarters (Luck) 2 or 3 afternoons
Winter, 66; summer, 15

146. Special Methods in the Analysis of Blood and Urine.—Prerequisites: Courses 143 and 144.
2 to 5 units, spring and *summer quarters (Swain, Luck) 2 to 5 afternoons
Spring, 2; summer, 1

147. Chemistry of Respiration and Nutrition.—A lecture course dealing with the chemical processes upon which the ordinary processes of life, especially of animals, are based. Open to students who have completed Biology 1 and Chemistry 123.
2 units, spring quarter (Alsberg) By arrangement
Spring, 5

149. Selected Topics in Colloid Chemistry with especial reference to Biology. Open to senior and graduate students.
1 unit, autumn quarter (Alsberg) T 11
Autumn, 30

151. Advanced Inorganic Chemistry.—Advanced topics in inorganic chemistry, including the rarer elements, structure of the atom, radioactivity, catalysis, and the chemistry of the higher order compounds.
2 units, spring quarter (Swain) TTh 10
Spring, 28

161. Nitrogen Fixation.—A discussion of the chemistry of elementary nitrogen as exemplified by the various processes which have been developed for the synthesis, from it, of nitrogen compounds.
2 units, autumn quarter (Blair) TW 4:15
Autumn, 17

171. General Physical Chemistry.—Lectures covering as far as possible the whole field of physical chemistry. Open to students who have completed Chemistry 111, 112, 121, Course 40 in Mathematics, and Courses 1, 2, 3, 20, in Physics, or their equivalent.
5 units, autumn quarter (Young) MTWThF 8
Autumn, 50

173. General Physical Chemistry.—Continuation of Chemistry 171.
5 units, winter quarter (Parks) MTWThF 8
Winter, 41

174. Physical-Chemistry Measurements.—Exercises in the practice of physical-chemical laboratory methods. Open to students who have completed or are taking Courses 171, 173, and who have completed Courses 112, 122, and 123. In special cases and by special arrangement this course will be open to students who have completed Courses 112, 122, and 123, but have omitted Courses 171, 173.
5 units, autumn, *winter, and *spring quarters (Parks) 5 afternoons
Autumn, 14; winter, 13; spring, 5

181. Electrochemistry.—Discussion of the general theories and applications of electrochemistry. Open to seniors in Chemistry, and to others who have completed Courses 171, 173, or their equivalent.
3 units, spring quarter (PARKS) [Not given in 1926–27]

201. Seminar in Chemistry.—Discussion of assigned topics in theoretical and general chemistry. Open to graduate students, and to advanced undergraduates in Chemistry, with the approval of the Faculty in Chemistry.
1 unit, autumn and winter quarters (DEPARTMENT STAFF) M 7:15 P.M.
Autumn, 12; winter, 10

205. Thermodynamics and Chemistry.—A problem and reading course. The original researches on which are based the laws of physical chemistry will be studied. The practical application of the laws will be demonstrated by problems. Prerequisites: Chemistry 171, 173, and a knowledge of calculus.
3 units, winter quarter (PARKS) MWF 9
Winter, 11

207. The Structure of Atoms and Molecules.—A seminar course dealing with modern theories of atomic and molecular structure and their application to chemical problems. Primarily for seniors and graduates.
2 units, spring quarter (HUGGINS) [In alternate years; given in 1926–27] TTh 4:15
Spring, 7

209. The Structure of Crystals.—A seminar course dealing with the results of crystal structure analysis by means of X-rays and the application of these results to problems in chemistry, physics, mineralogy, etc. Primarily for seniors and graduates.
2 units, spring quarter (HUGGINS) [In alternate years; not given in 1926–27]

210. Advanced and Special Courses.—Advanced and special courses in laboratory work and research work are open to students who have completed the necessary prerequisites, by arrangement with professors of the department, and with reference to the particular aims and ambitions of the students.
Autumn, 22 (7 groups); winter, 39 (11 groups); spring, 35 (7 groups); summer, 25 (7 groups)

211. Thermodynamics and Chemistry.—A seminar course dealing with the application of thermodynamics to various fields in chemistry. Prerequisites: Chemistry 171 and 173.
2–3 units, spring quarter (PARKS) MF 9
Spring, 6

Candidates for the degree of Bachelor of Arts in Chemistry must offer the equivalent of two years of college work in German, or two years of French and one year of German. The election of German in the Lower Division is advised for those who have not had the equivalent of two years of college work in the subject. A good reading knowledge of German is required for all advanced degrees.

Major students should complete the courses in one of the following curricula (A, B, or C) in meeting the requirements for the degree of Bachelor of Arts in Chemistry.

Qualified students may also pursue investigations of problems in inorganic, organic, physical, analytical, or physiological chemistry under the direction of any professor with whom arrangement is made. For all such advanced, special, or research work, students will register and enroll under Course 210, giving the name of the professor under whom the work is to be carried on, and for such number of units of credit as may be agreed upon.

Students intending to major in the Department of Chemistry are advised

to offer entrance credit in chemistry, physics, mathematics (including solid geometry and trigonometry for the chemical engineering course), and German (2 units). Entrance credit in biological science will also be advantageous. Students without these entrance credits may experience some difficulty, especially in the chemical engineering course, in conforming to the departmental requirements for graduation.

A. GENERAL CHEMISTRY

[Recommended for all who are studying the science of chemistry particularly as a basis for teaching or scientific research.]

First and Second Years.—Lower Division requirements, including Chemistry 1, 2, 3, or 10, 11, 12, and 20; Physics 1, 2, 3, 20; Mathematics 40, or its equivalent; and German.

Third and Fourth Years.—Chemistry 101 (or 51), 111, 112, 121, 122, 123, 171, 173, and 174 or 124 or 210.

B. BIOLOGICAL CHEMISTRY

[Particularly adapted to students who are looking forward to work along medical or biochemical lines.]

First and Second Years.—Lower Division requirements, including Chemistry 1, 2, 3, or 10, 11, 12, and 20; Physics 1, 2, 3, 20; Mathematics 40 (at least two quarters) or its equivalent; and German.

Third and Fourth Years.—Chemistry 101, 111, 112, 121, 122, 123, 141, 142, 143, 144, and 174 or 124 or 146 or 210; Physiology 103; Bacteriology 1 or 201.

C. ENGINEERING CHEMISTRY

[Intended especially for students who are working toward the degree of Engineer in Chemical Engineering, and who desire to fit themselves for positions of responsibility in connection with the administration of industries involving chemical knowledge and skill.]

This curriculum comprises four years of the necessary five years' work leading to the advanced degree of Engineer in Chemical Engineering. Candidates in this course receive the degree of Bachelor of Arts in Chemistry, upon completion of the following requirements:

First and Second Years.—Lower Division requirements, including Chemistry 1, 2, 3, or 10, 11, 12, and 20; Physics 11; Mathematics 10, 11, 21, 22, 23; Civil Engineering 1, 2, 30; and German.

Third and Fourth Years.—Chemistry 101, 111, 112, 114, 121, 122, 123, 171, 173; Civil Engineering 31, 106, 110; Physics 12, 13, 14; Mechanical Engineering 10, 12.

Advanced Degrees

After October 1, 1929, the degree of Engineer in Chemical Engineering will be conferred only on those candidates who have completed two years of graduate work in addition to the above requirements for the A.B. degree as given under Curriculum C. This work will include a thesis based on laboratory work and the following courses: Chemistry 125, 151, 174, 181, 205; Mechanical Engineering 121, 124, 132, 133, 236; Electrical Engineering 102, 103. A reading knowledge of both German and French will also be required.

Prior to October 1, 1929, this degree will be awarded upon the completion, in addition to the above requirements for the degree of Bachelor of Arts in Chemical Engineering, of three quarters of graduate work. These shall include the following courses: Chemistry 174, Mechanical Engineering 121, 124, 236, and a thesis based on laboratory work.

Applicants for the degree of Master of Arts in Chemistry will be expected to complete, in addition to the requirements for the Bachelor's degree, the equivalent of forty-five units of work in the University—of which approximately two-thirds must be in the department. This work will include a thesis based on laboratory work and Courses 171, 173, and 174, if these were not included in the undergraduate work.

Candidates for the degree of Doctor of Philosophy in Chemistry, after the completion of the equivalent of the requirements for the degree of Master of Arts or Engineer, will follow such courses as are approved by the Department Faculty, subject to general University regulations.

The Teacher's Recommendation.—The minimum requirements for the high-school teacher's recommendation in Chemistry are as follows:

a) To teach chemistry as a minor high-school subject: Courses 1, 2, 3, or 10, 11, 12 (General Inorganic lectures and laboratory); 20 (Qualitative Analysis); 101 (Principles of Chemistry); and 127 and 128 (Organic Chemistry), or their equivalent. Total, 28 units.

b) To teach chemistry as a major high-school subject: Courses 1, 2, 3, or 10, 11, 12 (General Inorganic lectures and laboratory); 20 (Qualitative Analysis); 111, 112 (Quantitative Analysis); 101 (Principles of Chemistry); 121, 123 (Organic Chemistry). Total, 35 units.

Laboratory Fees.—A charge of $20 per quarter ($10 of which is returnable less bills for breakage and loss of apparatus) is made to students for three units' credit in Chemistry; for all other courses of not more than six units' credit each, the fee is $30 per quarter (of which $15 is returnable less bill for breakage and loss of apparatus).

Medical students make a breakage deposit only in Courses 142 and 144. This amounts to $7.50 for 2 units, and $10 for 3 units of credit.

GEOLOGY

Bailey Willis, Professor Emeritus

Eliot Blackwelder, Austin Flint Rogers, James Perrin Smith, Cyrus Fisher Tolman, Professors

Solon Shedd, Curator of the Branner Library

Ulysses Sherman Grant (Northwestern University), Acting Professor (Summer Quarter)

Paul MacClintock, Acting Associate Professor (Autumn Quarter)

Paul Francis Kerr (Columbia University), Acting Assistant Professor (Summer Quarter)

Hubert Gregory Schenck, Instructor

The Department of Geology offers training in preparation for the profession of geologist and also in part for that of mining engineer. At present the

fields of work generally open to graduates of the department are those of university teaching and research, mining geologist, petroleum geologist, state and federal geological surveys.

Students who intend to graduate from the Department of Geology are advised to cover the fundamental courses in mathematics, physics, chemistry, and languages before the junior year. A first course in geology and mineralogy may well be included.

The courses offered in the Department of Geology are grouped as follows: (*a*) Geology, (*b*) Mineralogy and Petrography, (*c*) Economic Geology, (*d*) Paleontology and Stratigraphy. The following courses are generally required of all major students: Geology 1 or 1*a*, 103, 104, 108, 109, 121, 122, 123, 124, 142, 143, 161, and 163; Civil Engineering 1 and 2; Mathematics 10 and 11, or their equivalent; Physics 1; Chemistry, through Qualitative Analysis; two years of French or German. In addition, it should be noted that Civil Engineering 20 is a prerequisite for Geology 108 and 109.

In general, advanced courses should be selected only after consultation with the instructor concerned.

For the degree of Bachelor of Arts in Geology, sixty units in the department are ordinarily required. The substitution of courses in closely related departments, which are of definite value in Geology, may be accepted by the department committee.

GEOLOGY

1. General Geology.—The earth, its materials, structure, and internal conditions; the processes which are at work upon and within it; and a brief survey of its history. Desirable preparation: Elementary Chemistry and Physics.

4 or 5 units, spring and *summer quarters (spring, BLACKWELDER, SCHENCK; summer, GRANT) Lec. MTWThF 8; Lab. and field work by arrangement
Spring, 246; summer, 77

1a. Engineering Geology.—This is Geology 1 modified with special reference to the needs of engineers, but open to others. Prerequisites: Elementary Chemistry and Physics. Lectures, laboratory, and field trips.

5 units, autumn quarter (SCHENCK) MTWThF 11
Autumn, 90

103. Structural Geology.—The conditions and processes of the earth's interior and their effects upon the material and structure of the earth. Prerequisite: Geology 1 (or 1*a*).

3 units, winter quarter (SCHENCK) MWF 9
Winter, 24

104. Physiographic Geology.—The operation of surface processes and the origin of land features. Prerequisite: Geology 1 (or 1*a*).

3 units, autumn quarter (MACCLINTOCK) MWF 9
Autumn, 17

105. Regional Geology of North America.—The stratigraphy, structure, and history of the geologic provinces of the continent. Given in 1926 and alternate years. Prerequisites: Geology 103, 104, and 143.

3 units, autumn quarter (MACCLINTOCK) MWF 11
Autumn, 6

108. Field Geology.—Field work with the Stanford Geological Survey. Summer camps are established in the Coast Ranges. During the first half of the summer quarter, the geology of the region reached from the camps is worked out and plotted upon topographic maps and sections. All methods

of geological mapping where a topographic map is used as the base are taken up. Geologic mapping, controlled by instrumental surveying. is taken up during the second term in Geology 109. Prerequisites: Geology 103, 121, 142, 143; Civil Engineering 20.

8 units, summer quarter, first half (KERR, SCHENCK)
Summer, 23

109. Geologic and Topographic Surveying with the Plane Table.—During the second half-quarter each student member of the Stanford Geological Survey prepares a detailed topographic and geologic map of an assigned area, controlled by accurate instrumental work.

7 units, summer quarter, second half (KERR, SCHENCK)
Summer, 23

110. Geologic Problems or Thesis.—Advanced individual work for seniors and graduates.

3 to 5 units, each quarter (MACCLINTOCK, BLACKWELDER) By arrangement
Autumn, 3; spring, 2

111. Advanced Structural Geology.—Given in 1926 and alternate years. Prerequisite: Geology 103 and 121.

3 units, spring quarter (BLACKWELDER) [Not given in 1926–27]

112. Geomorphology.—The origin of topographic features and the interpretation of physiographic history of selected regions. Based on the study of topographic and geologic maps, models, and published reports. Prerequisites: Geology 103, 104, and 143.

3 units, spring and summer quarters (BLACKWELDER) MWF 10
[Given in 1927 and alternate years]
Spring, 11; summer, 6

114. Geologic Literature.—General reading outside of courses, with practice in bibliographic methods and abstracting. Limited to advanced students.

2 to 3 units, each quarter (SHEDD) By arrangement
Autumn, 4; winter, 6; spring, 6

207. Sedimentation.—The characteristics of sedimentary deposits and their significance with reference to geologic history. Prerequisites: two years of Geology and Mineralogy, including Petrography.

5 units, winter quarter (BLACKWELDER) MTWThF 11
Winter, 11

211. Journal Club.—All graduate students, members of the faculty, and such undergraduates as may be chosen by the staff will meet weekly to consider papers on current research, reviews of new publications, etc. Each student will present at least one paper each quarter.

1 unit, autumn and winter quarters M 7:30 P.M.
Autumn, 12; winter, 17

215. Research in Physical Geology.

Each quarter (BLACKWELDER) [Not given in 1926–27]

MINERALOGY AND PETROGRAPHY

121. Common Minerals and Rocks.—The study of the more common and important minerals, with a brief treatment of the prominent rock types. An elementary course, with emphasis upon sight determination and simple physical and chemical tests. Open to students who have had qualitative analysis.

4 units, autumn and spring quarters (ROGERS) Lec. WF 11; Lab. ThF 1:05–4:05
Autumn, 9; spring, 14

122. Mineralogy.—An elementary study of geometrical crystallography. The systematic study and determination of the more important non-silicate

minerals. Open to students who have had Geology 121. Mechanical Engineering 10 (Descriptive Geometry) is recommended.
4 units, autumn quarter (Rogers) Lec. TTh 11; Lab. MT 1:05–4:05
Autumn, 16

123. Mineralogy.—An elementary study of the optical properties of crystals, with emphasis upon the polarizing microscope as an instrument of research. Systematic study of the important silicate minerals and their determination by all available methods. Prerequisite: Geology 122. Physics 4 is recommended.
4 units, winter quarter (Rogers) Lec. TTh 11; Lab. TTh 1:05–4:05
Winter, 19

124. Petrography.—Study of hand specimens and thin sections of the principal rock types and mineral deposits. In Courses 122 and 123 the properties or characters of minerals are considered, while Course 124 is primarily concerned with the relations between associated minerals with special reference to their occurrence and origin. Geology 122 and 123 are prerequisites.
5 units, spring quarter (Rogers)
Lec. TTh 11; Lab. ThF and one period by arrangement, 1:05–4:05
Spring, 20

225. Advanced Mineralogy.—Advanced work in crystallography, mineralogy, or petrography may be undertaken by properly prepared students.
2 to 5 units, autumn and winter quarters (Rogers) By arrangement
Autumn, 1; winter, 2

PALEONTOLOGY AND STRATIGRAPHY

141. Systematic Paleontology.—History and character of fossils. Three lectures and six hours of laboratory work weekly.
4 units, autumn quarter (Smith) MWF 10
Autumn, 32

142. Historical Geology.—History and character of geologic formations. Three lectures and six hours of laboratory work weekly.
4 units, winter quarter (Smith) MWF 10
Winter, 31

143. Historical Geology.—Continuation of Course 142.
4 units, spring quarter (Smith) MWF 10
Spring, 30

144. Systematic Conchology.—Special studies in Tertiary and Recent Conchology of the West Coast. One lecture and two afternoons of laboratory work weekly.
2 units, autumn quarter (Smith) TTh 1:05–4:05
Autumn, 5

145. Tertiary Conchology of California.
2 units, winter quarter (Smith) TTh 1:05–4:05
Winter, 9

146. Paleobotany of California.
2 units, spring quarter (Smith) TTh 1:05–4:05
Spring, 1

147. General Geology of California.
2 units, autumn quarter (Smith) TTh 10
Autumn, 21

148. Morphology and Phylogeny of Fossil Invertebrates.
2 units, winter quarter (Smith) TTh 10
Winter, 5

149. Morphology and Phylogeny of the Ammonoidea.
2 units, spring quarter (SMITH) TTh 10
Spring, 3

150. Micropaleontology.—An introductory study of the foraminifera, including fundamentals of laboratory technique. Prerequisites: Geology 141, 142, and 143.
3 units, autumn and winter quarters (SCHENCK) Lec. W 1:05; Lab. by arrangement
Autumn, 11; winter, 3

151. Micropaleontology.—A study of the more important groups of the foraminifera. Continuation of Course 150.
3 to 5 units, winter quarter (SCHENCK) Lec. W 1:05; Lab. by arrangement
Winter, 8

152. Micropaleontology.—A study of microscopic organisms other than foraminifera, occurring as fossils, with emphasis upon diatoms and ostracods.
3 units, spring quarter (SCHENCK) [Not given in 1926–27]

250. Advanced Paleontology.—Research in paleontology, especially invertebrate morphology, and the distribution of faunas. Private work in field and laboratory.
2 to 5 units, autumn, winter, and summer quarters (SMITH) Hours by arrangement
Autumn, 3; winter, 4; summer, 1

251. Advanced Micropaleontology.—Research in micropaleontology.
Autumn, winter, and spring quarters (SCHENCK) [Not given in 1926–27]

ECONOMIC GEOLOGY

161. Nonmetals.—The occurrence, distribution, origin, and geologic methods of investigation of the nonmetallic substances. Prerequisites: Geology 1, 121, 142, and 143.
4 units, winter quarter (TOLMAN) MTWTh 8
Winter, 14

162. Geology of Oil and Coal.—Elementary course dealing with the origin and accumulation of coal and oil. Review of the important coal fields and oil districts of the world. Course 103 in the Department of Mining and Metallurgy may be substituted for this course if desired. Prerequisite: Geology 161.
4 units, spring quarter (TOLMAN) [In alternate years; not given in 1926–27]

163. Ores.—The ore-forming processes, modes of occurrence of the various types of ore bodies, and the structures of the ores. A review of the important ore deposits of the United States and of the world. Open to students who have completed Geology 1, 121, 142, and are taking or have completed 143.
4 units, spring quarter (TOLMAN) MTWTh 8
Spring, 14

252. Field Studies in Tertiary Stratigraphy and Paleontology.—Selected problems are undertaken by advanced students who have completed Geology 108 or equivalent. Geologic sections are examined and fossils collected for laboratory study. For graduates intending to specialize in Tertiary paleontology. Arrangements are made to live in Summer Geology camp.
7 or 15 units, summer quarter (SCHENCK)
Summer, 3

265. Seminar in the Origin and Accumulation of Oil.—(Same as Mining and Metallurgy 250.) A critical study of the literature with reference

to the origin and accumulation of oil. Students admitted only after personal consultation with the instructor.

4 units, spring quarter (TOLMAN) (Given in alternate years) TTh 9–11
Spring, 8

266. Seminar in Ore Deposits.—This includes: (1) methods of preparing polished surfaces; (2) all microscopic and chemical methods of determination of minerals in polished surfaces; (3) a review of the literature of ore deposits, especially certain important publications of the United States Geological Survey, and the checking of the results appearing in this literature by a study of suites of specimens from the mines. Prerequisite: Geology 124. For seniors and graduate students. (Three lecture and conference periods and three [or more] laboratory periods.)

6 or more units, winter quarter (TOLMAN) TTh 9–11
Winter, 4

267. Special Courses.—These include: (*a*) a study of the literature of some special phase of economic geology, with a thesis; (*b*) field investigations of some mine or mineral district, or the general economic geology of an assigned area; (*c*) microscopic studies of ores collected during field studies (or microscopic investigation of suites of specimens owned by the University). For graduate students; in exceptional cases seniors will be admitted.

Winter and spring quarters (TOLMAN) By arrangement
Winter, 2; spring, 4

MATHEMATICS

RUFUS LOT GREEN, ROBERT EDGAR ALLARDICE, HANS FREDERIK BLICHFELDT, WILLIAM ALBERT MANNING, SIDNEY DEAN TOWNLEY, Professors

HAROLD HOTELLING, Junior Associate (Food Research Institute)

HEINRICH WILHELM BRINKMANN (Harvard University), Acting Associate Professor (Summer Quarter)

VERN JAMES, MILTON LAWRENCE WIEDMANN, Instructors

LUCILLE EVELYN COPPLE, WALTER CROSBY FELLS, CHARLES HENRY HARRINGTON, FRANCIS SAMUEL STEWART, MARIE JOANNA WEISS, Assistants in Instruction

Students intending to major in Mathematics or in any engineering department should present entrance credits in the preparatory subjects of algebra (two units), plane and solid geometry, and trigonometry. For the convenience of students failing to present entrance credits in these subjects, Courses A, B, C, and D, listed below, are offered in the department, for each of which a fee of $7.50 a quarter is charged.

The courses offered in Mathematics are arranged in three groups: (I) Courses primarily for Lower Division students; (II) Courses primarily for Upper Division and graduate students; (III) Courses in Astronomy and Geodesy.

I. *Courses Primarily for Lower Division Students.*—These consist primarily of introductory courses in Analytic Geometry, and Differential and Integral Calculus.

Courses 10, 11, 21, 22, and 23 are required of all engineering students. Under Group III, Astronomy and Geodesy, are included courses of especial interest to engineering students, as well as others of a more general interest.

Students intending to graduate with Mathematics as their major subject are required to take Courses 10, 11, 21, 22, and 23, or Course 40. This requirement should be met while students are in the Lower Division, preferably during the first year. Such students are recommended to begin or continue the study of French or German in the first year.

Course 40 or Courses 10, 11, 21, 22, and 23 should be taken by students in other departments who need or desire Mathematics above the level of secondary school work. This requirement is presupposed for the course in Statistical Theory.

For the courses in this group the aim is to make the instruction practical in the sense of furnishing thorough drill on fundamental principles and much practice in their application. Emphasis is laid upon accuracy and system in the solution of numerical problems. Students whose training in arithmetical work has been deficient, or who are otherwise inadequately prepared, or who lack aptitude for mathematical study, cannot pursue these courses successfully.

II. *Courses Primarily for Upper Division and Graduate Students.*—Candidates for graduation in Mathematics as their major subject, in addition to the requirements under Group I, should take Course 141, Advanced Calculus, and Course 170, Differential Equations, together with other courses selected from this group, amounting in all to thirty units of credit. For a portion of the requirement under this group, certain courses in Group III, and courses in other departments having a large mathematical content, may be substituted.

Candidates for advanced degrees with Mathematics as their major subject may take courses with the higher numbers in this group; and for the academic year 1926–27 attention is called to the courses in Permutation Groups, Differential Geometry, and reading and research work in continuous groups and related fields.

Library.—The library facilities are good. The University subscribes for all important mathematical journals and proceedings of learned societies in English, French, German, and Italian, and the library contains complete sets of these and of learned societies of other countries. The more important treatises in mathematical subjects and the collected papers of eminent mathematicians are also in the library.

Fellowships and Assistantships.—Besides University Fellowships open to all graduates, there are two teaching fellowships in mathematics paying $750 a year and involving a maximum of one hour of teaching daily for three quarters. There are also several teaching assistantships paying $200 a quarter for a maximum of one hour of teaching daily. These positions are filled by graduate students on the basis of ability and training in Mathematics, and in addition upon experience and ability in teaching.

The Teacher's Recommendation.—For a teaching minor in Mathematics, Course 40, or Courses 10, 11, 21, 22, and 23 are required, together with nine additional units elected from Group II. For a teaching major, courses totaling eighteen units of credit elected from Group II in addition to the requirements for a teaching minor.

Courses in Other Departments.—Attention is called to the following courses in other departments which have a large mathematical content:

Dynamics of Machinery. (Mechanical Engineering 115)
Applications of the Theory of Elasticity. (Mechanical Engineering 117)
Theoretical Mechanics. (Civil Engineering 30 and 31)
Theoretical Mechanics. (Physics 112)
Introduction to Mathematical Physics. (Physics 204)
Introduction to Statistical Methods. (Psychology 60)
Elementary Statistical Methods. (Psychology 185)

Students in other departments may take any courses in Mathematics for which their previous training gives suitable preparation.

ELEMENTARY COURSES

These courses are provided for students who have not taken them in the preparatory school, or who find it necessary to review them. A fee of $7.50 a quarter is charged for each course, A, B, C, and D.

A. Algebra.—Fundamental laws, negative and fractional indices, quadratic equations, curve plotting, arithmetic and geometric progressions, the binomial theorem, complex numbers, logarithms.
3 units, autumn and *winter quarters (Ridley, Copple, Harrington)
Autumn, 52 (3 sections); winter, 12 MWF 9, 11; TTh 9, S 8; TTh 11, S 9

B. Algebra.—Continuation of Course A.
3 units, winter and *spring quarters (Copple, Ridley)
Winter, 21 (2 sections); spring, 10 MWF 9, 11; TTh 9, S 8; TTh 11, S 9

C. Trigonometry.—Elementary course with applications involving logarithmic calculation.
3 units, autumn and *winter quarters (Eells, James, Copple)
Autumn, 37 (2 sections); winter, 19 MWF 11; TTh 11, S 8

D. Solid Geometry.—Elementary course.
3 units, winter quarter (———) [Not given in 1926–27]

I. COURSES PRIMARILY FOR LOWER DIVISION STUDENTS

10. Co-ordinate Geometry.—The plotting of curves. Loci. Geometry of the straight line, circle, parabola, ellipse, and hyperbola. Transformation of co-ordinates. Polar co-ordinates. Solid co-ordinate geometry of the plane and straight line, with a brief discussion of the quadric surface.
3 units, autumn, *winter, and *spring quarters (Wiedmann, Harrington, Meadowcroft, Ridley) MWF 9, 11; TTh 9, S 8; TTh 11, S 9
Autumn, 118 (4 sections); winter, 60 (2 sections); spring, 41 (2 sections)

11. Co-ordinate Geometry.—Continuation of Course 10.
3 units, winter and *spring quarters (Wiedmann, Harrington, Stewart)
MWF 9, 11; TTh 9, S 8; TTh 11, S 9
Winter, 69 (3 sections); spring, 46

21. Differential and Integral Calculus.—Functions. The derivative as the slope of a curve and as the rate of change of a function. Formulas of differentiation. Maxima and minima. Infinitesimals and differentials. Slope of the curves $y = \sin x$, $y = \log x$, and related curves. The area under a curve. Integration. Length of the arc of a curve. Areas in polar co-ordinates. Curvature. Definite integrals. Volume of a solid of revolution.

Centers of gravity, fluid pressure, volumes, moments of inertia. Infinite series. Partial differentiation.
3 units, autumn, *winter, and *spring quarters (JAMES, HARRINGTON) MWF 9; TTh 9, S 8
Autumn, 48 (2 sections); winter, 12; spring, 57 (2 sections)

22. Differential and Integral Calculus.—Continuation of Course 21.
3 units, winter and *spring quarters (JAMES) MWF 9, 11; TTh 9, S 8; TTh 11, S 9
Winter, 41 (2 sections); spring, 11

23. Differential and Integral Calculus.—Continuation of Course 22.
3 units, spring quarter (JAMES) MWF 9, 11; TTh 9, S 8; TTh 11, S 9
Spring, 27 (2 sections)

30. Co-ordinate Geometry.—A course covering the same ground as Courses 10 and 11.
5 units, summer quarter (———) [Not given in 1926–27]

35. Differential Calculus.—Functions. The derivative as slope of curve and as the rate of change of a function. Formulas of differentiation. Maxima and minima. Infinitesimals and differentials. Slope of curve $y = \sin x$, $y = \log x$, and related curves. The area under a curve. The simpler methods of integration.
5 units, summer quarter (COPPLE) MTWThF 10
Summer, 9

36. Integral Calculus.—Integration. Length of the arc of a curve. Areas in polar co-ordinates. Curvature. Definite integrals. Volume of a solid of revolution. Centers of gravity, fluid pressure, volumes, moments of inertia. Infinite series. Partial differentiation.
5 units, summer and *autumn quarters (WIEDMANN, HARRINGTON) MTWThF 8
Autumn, 57; summer, 9

40. General Course.—An elementary survey of co-ordinate geometry and calculus, with applications. Designed to give an understanding of the fundamental principles of the subjects, and an ability to put these principles to practical use. Presupposes elementary algebra and plane trigonometry.
5 units, autumn, winter, and spring quarters (GREEN) MTWThF 9
Autumn, 30; winter, 18; spring, 11

II. COURSES PRIMARILY FOR UPPER DIVISION AND GRADUATE STUDENTS

110. Mathematical Theory of Investments.—An introductory course presupposing a two-year course in algebra and ability to use logarithms.
5 units, autumn quarter (GREEN) MTWThF 8
Autumn, 27

111. Mathematics of Life Insurance.
Winter quarter (GREEN) By arrangement
Winter, 3

120. Determinants and Probability.—Two important topics, useful in statistics and in many other ways.
3 units, autumn quarter (HOTELLING) MWF 10
Autumn, 10

121. The Mathematics of Statistical Inference.—Foundations and derivations of modern statistical devices will be considered with special reference to their connection with probability. It is expected that after completing this course students will be able to understand the works of the

leaders of mathematical statistics. Prerequisites: integral calculus, determinants, and probability.
3 units, winter, spring, and summer quarters (HOTELLING) MWF 10
Winter, 7; spring, 6; summer, 11

135. Advanced Algebra.
Spring quarter (HARRINGTON) By arrangement
Spring, 5

140. Differential and Integral Calculus.—An elementary course.
5 units, autumn and winter quarters (ALLARDICE) MTWThF 9
Autumn, 11; winter, 10

141. Advanced Calculus.—Theory of curves. A continuation of Course 140.
5 units, spring quarter (ALLARDICE) MTWThF 9
Spring, 8

143. Vector Analysis.—A course with chief emphasis upon the geometry of space of three dimensions.
3 units, spring quarter (MANNING) [Not given in 1926–27]

145. Analysis Situs.—The study of those properties of figures which are invariant under transformations of a very general class, including deformations. This course deals with networks (one-dimensional analysis situs), and with two-dimensional analysis situs, including Riemann surfaces. Brief treatment is also given the knot problem and other outstanding questions.
3 units, summer quarter (HOTELLING) MWF 10
Summer, 4

150. Differential Equations.—Prerequisite: A working knowledge of integral calculus.
5 units, summer quarter (BRINKMANN) MTWThF 8
Summer, 15

151. Theory of Groups.—An introductory course in groups of permutations and linear substitutions. Open to students who have had calculus.
4 units, summer quarter (BLICHFELDT, MANNING) [Not given in 1926–27]

152. Theory of Numbers.—Linear and quadratic congruences. Binomial congruences. Law of quadratic reciprocity. Quadratic forms in two variables. This course is open to all students who have had a short course in the differential calculus.
4 units, autumn quarter (MANNING) MTThF 8
Autumn, 5

153. Theory of Groups of Permutations.—The principal theorems of the classical theory will be developed. Manning's *Primitive Groups,* Part 1, will be used as a text. The Theory of Numbers is a prerequisite.
4 units, winter and spring quarters (MANNING) MTThF 8
Winter, 4; spring, 5

155. Projective Geometry.
5 units, autumn quarter (ALLARDICE) MTWThF 11
Autumn, 4

160. Modern Algebra.—Prerequisite: Differential and integral calculus. Special attention is given to the Galois Theory of Equations. Dickson's *Modern Algebraic Theories* will be used as a text.
4 units, summer quarter (MANNING) MTThF 1
Summer, 7

160a. Geometry of Numbers.
3 units, spring quarter (BLICHFELDT) MWF 10
Spring, 3

160b. Foundations of Mathematics.
5 units, spring quarter (GREEN) By arrangement
Spring, 3

170. Differential Equations: First Course.—Ordinary differential equations of the first order, and linear differential equations with constant coefficients. Numerical integration. Applications to geometry and mechanics.
5 units, autumn quarter (BLICHFELDT) MTWThF 11
Autumn, 12

171. Differential Equations: Second Course.—Legendre's and Bessel's equations. Partial differential equations of the first order. Laplace's equation. Applications to physics.
5 units, winter quarter (BLICHFELDT) MTWThF 11
Winter, 8

172. Advanced Calculus.—Introduction to Mathematical Physics.
4 units, spring quarter (BLICHFELDT) By arrangement
Spring, 12

200a. Plane Geometry.
5 units, winter quarter (ALLARDICE) MTWThF 11
Winter, 14

205. Theory of Functions.
5 units, spring quarter (ALLARDICE) MTWThF 11
Spring, 6

206. Theory of Functions.—A brief course in transformations and integrals in the complex plane. The calculus is presupposed.
4 units, summer quarter (WEISS) MTThF 10
Summer, 6

207. Theory of Functions of the Real Variable.—The course should be preceded or accompanied by at least a short course on functions of the complex variable.
4 units, summer quarter (BRINKMANN) MTThF 10
Summer, 4

208. Differential Geometry.—Curves and curved surfaces in space. Manifolds of higher dimensionality, including the curved space-time of relativity, will be considered in the latter part of the course. Differential equations and determinants are necessary prerequisites. A knowledge of solid geometry is also desirable.
3 units, winter and spring quarters (HOTELLING) MWF 11
Winter, 6; spring, 1

220. Groups of Finite Order.—Selected topics drawn from linear groups and permutation groups are studied. The course is open to graduate students only.
4 units, summer quarter (MANNING) MTThF 2
Summer, 1

230. Theory of Groups of Permutations.—Advanced course.
(MANNING) By arrangement
Autumn, 2; winter, 2; spring, 2

240. Calculus of Variations.—Bliss's *Calculus of Variations* will be followed. A course in differential equations is the prerequisite.
4 units, summer quarter (BLICHFELDT, MANNING) MTThF 9

250. Seminar.—Continuous groups.
(BLICHFELDT) By arrangement
Autumn, 2; winter, 1

260. Advanced Reading and Research.—When in the opinion of the department a student is prepared to undertake advanced reading or research

not connected with a formal course, such reading or research will be directed by a member of the department.

(Allardice, Blichfeldt, Manning, Wiedmann) By arrangement
Autumn, 6 (2 groups); winter, 7 (2 groups); spring, 1

[**Teachers' Course in Mathematics.**—See Education 216.]

III. ASTRONOMY AND GEODESY

Courses 50 and 51 are designed especially to meet the needs of students who have time for only a general knowledge of Astronomy. Course 161 is intended for students of Engineering and Geology who desire a working knowledge of practical astronomy. The other courses are intended for students who wish to prepare themselves for astronomical or geodetic work.

50. Descriptive Astronomy.—This course consists of a general survey of the various branches of astronomy, including a study of the celestial sphere, the bodies of the solar system, comets, the fixed stars, and other heavenly bodies.

5 units, winter quarter (Townley) MTWThF 8
Winter, 94

51. Observational Astronomy.—Study of constellations and various astronomical bodies: Elementary methods of determining latitude and longitude. One afternoon or evening per week. Supplementary to Course 50.

1 unit, any quarter (Townley) By arrangement
Winter, 19; spring, 3

161. Practical Astronomy.—The theory and practice of the determination of latitude, azimuth, time, and longitude, with sextant and engineer's transit. Intended especially to meet the requirements of students of civil engineering, geology, and navigation. Courses 21, 22, and 23, and Surveying are prerequisites.

3 or 4 units, spring quarter (Townley) MWF 10
Spring, 6

162. Advanced Practical Astronomy.—A continuation of Course 161. Precise methods of determining time, latitude, etc., by means of the universal instrument.

Any quarter (Townley) [Not given in 1926–27]

163. Adjustment of Observations.—Theory of the method of least squares, with applications. Credit in Courses 21, 22, and 23 or their equivalent is prerequisite.

3 units (Townley) [Not given in 1926–27]

164. Geodesy.—Study of the form and dimensions of the earth and the practical methods of geodetic work. Courses 161 and 163 are prerequisites.

3 units (Townley) [Not given in 1926–27]

165. Variable Stars.—Consideration of the different classes of variable stars, methods of observation and construction of light curves. Course 50 is a prerequisite.

3 units, spring quarter (Townley) MWF 8
Spring, 6

166. Celestial Mechanics.—A study of the motions of the bodies of the solar system under Newton's universal law of gravitation. Courses 10, 11, 21, 22, 23, 50, and 150 or 170, and Courses 30 and 31 in Civil Engineering, are prerequisites.

3 units, autumn quarter (Townley) [Not given in 1926–27]

167. History of Astronomy.—A survey of the progress of Astronomy from the time of the Greeks to the present. Course 50 is a prerequisite.
3 units, autumn quarter (Townley) MWF 8
Autumn, 2

PHYSICS

Fernando Sanford, Professor Emeritus

David Locke Webster, Frederick John Rogers, Professors
Joseph Grant Brown, Elmer Reginald Drew, †Perley Ason Ross, Associate Professors
John Hasbrouck Van Vleck (University of Minnesota), Acting Associate Professor
George Russell Harrison, Assistant Professor
Chalon Wesley Carnahan, John Curtis Franklin, Clarence Eberman Weinland, Everly John Workman, Assistants

LOWER DIVISION COURSES

These courses are divided into two main groups. One of these includes courses prescribed or recommended for students preparing for biology, chemistry, geology, medicine, and other lines of work not classed as engineering. The other group is designed for engineering students. Each group covers the general subject of physics, but they differ in their emphasis on various topics, and even more in their mathematical prerequisites.

For a detailed statement on prescribed courses, the student is referred to the announcement of his own department. In general, however, the courses of interest to non-engineering students are Courses 1 to 4 (inclusive) and Course 20, while those of interest to engineers are Courses 13, 14, and 20, and in the Upper Division, Courses 100 and 101.

Prospective Physics majors may take courses of either group, but are advised to begin their work in Physics with Courses 1, 2, 20, 4, and 13.

The details of each course are as follows:

1. Mechanics and Heat.—The lecture hours in this course are used chiefly for problem work on the application of mechanical principles to practical cases, and most of the experimental illustrations of these principles are found in the laboratory. The problems treated are on structures and machines of various kinds, and on the effects of inertia in moving bodies, including sound sources and sound receivers. Heat is treated only briefly, but with special reference to the explanation of heat phenomena by the motions of molecules. The essential purpose of the course is not only to give information on these particular subjects, but also to introduce the student to the methods of exact reasoning needed in advanced scientific work of any kind. Three lectures, either with one laboratory period per week, counting 4 units altogether, or with two laboratory periods, counting 5 units altogether.
4 or 5 units, autumn quarter (Webster, Drew, Harrison, Workman)
Lec. MWF 8 or 9; Lab. MTWThF 1:05–4:05; TTh 8–12 (any three hours)
Autumn, 167

† Absent on leave, 1926–27.

2. Electricity.—This course is concerned chiefly with problems on the common practical uses of direct currents, and experiments in the lecture room and laboratory illustrating their fundamental principles, including the essential principles of electrostatics, electrolysis, and electromagnetism. The last three weeks are given to brief surveys of alternating current phenomena and of the vacuum tube experiments that prove an electric current to be a stream of electrons.

4 or 5 units (as in Course 1), winter quarter (DREW, HARRISON, WORKMAN)
Lec. MWF 8 or 9; Lab. MTWThF 1:05–4:05; TTh 8–12 (any three hours)
Winter, 138

3. Lenses.—This course is planned for pre-medical students, as preparation for Physiology 105, but may be taken profitably by others who desire a brief survey of the optics of lenses and microscopes and cannot afford time for the more extensive work of Course 4. One laboratory period per week.

1 unit, winter quarter (DREW, WORKMAN)
Winter, 74 Lab. MTWThF 1:05–4:05; TTh 8–12 (any three hours)

4. Light.—The course will deal primarily with the subjects of refraction, dispersion, interference, diffraction, and polarization of light. The course is designed especially for Physics and Geology majors, but is open to others. Two lectures and two or three laboratory periods per week. Prerequisite: Course 1.

4 or 5 units, autumn quarter (BROWN)
Autumn, 5 Lec. TTh 9; Lab. (two or three periods) WThF 1:05–4:05

13. Heat.—The course will treat the subjects of expansion, change of state, calorimetry, transfer of heat, radiation, absorption, and the relation of heat to other forms of energy. The properties of liquids and gases, including elasticity, viscosity, surface tension, diffusion, and osmosis will be treated briefly. Prerequisite: Differential Calculus.

4 or 5 units, winter quarter (WEBSTER, BROWN)
Winter, 82 Lec. MWF 11; Lab. (one or two periods) MTWThF 1:05–4:05

14. Electricity.—Magnets, magnetic fields, magnetic flux, and magnetic circuits. Electric currents, electromotive force, and resistance in electrical circuits. Electric charges, electric fields, and electric potentials. Electromagnetism, electromagnetic induction, electric and magnetic energy transformations. The C.G.S. and pratical units of electrical quantities. Continued in Course 100. Prerequisite: Course 13.

4 or 5 units, autumn and *spring quarters
autumn, (ROGERS, WORKMAN) Lec. MWF 11; Lab. (one or two periods) MTThF 1:05–4:05
spring (ROGERS) Lec. MWF 11, Lab. (one or two periods) MTWThF 1:05–4:05
Autumn, 30; spring, 64

20. Modern Physics.—A course on the discoveries of the last few decades on the nature of matter and energy. Specific topics covered are: the properties of electrons and atomic nuclei; electrons and nuclei as the constituents of atoms, with current theories of atomic structure; the wave theory of light and the electrical nature of light waves; the reactions between electrons, light waves, and atomic collisions, leading to the theory of quanta; the nature of space and time. Prerequisite: Course 2 or 14.

3 units, spring quarter (HARRISON) Lec. MWF 8
Spring, 100

21. Modern Physics.—A summer course given by a visiting professor, similar in its general nature to Course 20 but differing in content and viewpoint.

3 units, summer quarter (VAN VLECK) Lec. MWF 11
Summer, 20

30. Elementary Meteorology.—A course designed especially for high-school teachers of physics and general science, showing how physics may be applied to explain weather phenomena.
3 units, summer quarter (BROWN) By arrangement
Summer, 7

UPPER DIVISION COURSES

100. Electricity and Electrical Measurements.—Precise measurements of current, E.M.F., resistance, electric power, capacitance, inductance, and the magnetic properties of iron. Lectures on the foregoing topics and on electric oscillations and resonance, electric discharges, cathode rays, and electron tubes. Prerequisites: Course 2 and Calculus, or Course 14.
4 or 5 units, winter quarter (ROGERS)
Winter, 19 Lec. TTh 11; Lab. (two or three periods) MTTh 1:05–4:05

101. Ions and Electrons.—General principles of electron theory. Electrical discharges. Ionization and conductivity of gases. Thermionics and electron tubes. Prerequisite: Course 20.
5 units, winter and *summer quarters
winter (ROGERS) Lec. MWF 11; Lab. ThF 1:05–4:05
summer (WEBSTER) Lec. MWF 10; Lab. ThF 1:05–4:05
Winter, 4; summer, 8

102. Radioactivity.—Lectures, lecture experiments, and a few laboratory experiments on radioactivity. Prerequisites: Courses 20 and 100.
4 units (ROSS) [Given in alternate years; not offered in 1926–27]

103. X-Rays.—An introductory course, covering methods of producing and measuring X-rays, the main features of their spectra and the basic laws of their emission, scattering, reflection, absorption, and fluorescence. The laboratory work in this course and 104 is planned to include training in research methods. It consists primarily of experimental studies of a few phenomena chosen by the students, using such apparatus as may be at hand or made by them; and each problem includes the planning and assembling of the apparatus, as in a research problem. There also will be some opportunity for contact with actual research problems, through assisting in the X-ray research laboratory. Prerequisite: Course 20.
4 units, autumn quarter (WEBSTER)
Lec. MW 10; Lab. (two periods) by arrangement
Autumn, 10 [In alternate years; given in 1926–27]

104. X-Ray Spectra.—A continuation of Course 103, with special attention to X-ray spectra and such aspects of their relation to atomic structure as can be handled with a first course in Calculus. Prerequisites: Course 103 and Calculus.
4 units, winter quarter (WEBSTER)
Lec. MW 10; Lab. (two periods) by arrangement
Winter, 9 [In alternate years; given in 1926–27]

110. Wave-Motion and Sound.—About one-third of the time is given to wave-motion, using wave machines, wave models, ripple troughs, and lantern slides for illustration. The work on sound deals largely with the production and propagation of sound, resonance, interference, musical instruments, and hearing. The production and properties of high-frequency sound, the phonograph, the radiophone, and acoustics of auditoriums are treated briefly. Two lectures and two or three laboratory periods per week. Prerequisite: a year of college physics.
4 or 5 units, summer quarter (BROWN)
Lec. TTh 9; Lab. (two or three periods) [In alternate years; given in 1926–27]
Summer, 7

111. Mechanical Measurements.—A course in exact measurements of mass, length, time, gravity, elasticity, surface tension, viscosity, etc. The student is given the privilege of se ecting the field in which he works. Two or three laboratory periods per week.
2 or 3 units (BROWN) [Given in alternate years; not offered in 1926–27]

112. Theoretical Mechanics.—A course on the mathematical theory of mechanics for students of physics and mathematics. Prerequisites: Calculus and a year of college physics.
5 units, spring quarter (ROGERS) [Not given in 1926–27]

120. Optical Instruments.—Elementary geometrical optics of the prism, the thick lens, and combinations of lenses, as used in optical instruments. Theory of the diffraction grating and interferometer, resolving power of instruments. Prerequisites: Course 4 and Calculus. Three lectures and one laboratory period per week.
4 units (DREW) [Given in alternate years; not offered in 1926–27]

121. Physical Optics.—Lectures on emission and absorption spectra, magneto-optics, optical activity, fluorescence, and theories of atomic and molecular structure. Laboratory work with spectrometer, interferometer, and polarimeter. Prerequisite: Course 120.
4 units (HARRISON, BROWN) [Given in alternate years; not offered in 1926–27]

130. Meteorology.—A course on the physics of the air. Textbook, lectures, and problems. Prerequisite: a year of college physics.
5 units (BROWN) [Given in alternate years; not offered in 1926–27]

131. Atmospheric Electricity.—The potential gradient of the earth's electric field; ionization of the atmosphere; electrification of clouds and rain; the penetrating radiation; and theories. Prerequisites: Course 2 or 14. Course 101 and ability to read German are desirable.
3 units, winter quarter (BROWN) Lec. MWF 9
Winter, 5 [In alternate years; given in 1926–27]

140. History of Physics and Physical Sciences up to the opening of the nineteenth century. A course designed especially for students preparing for high-school or college teaching, or for research in physics. Each member of the class is assigned a particular field and he is expected to prepare and present lectures on the history of this field. Prerequisite: a year of college physics.
2 units, autumn quarter (BROWN) By arrangement
Autumn, 4 [In alternate years; given in 1926–27]

141. History of Physics during the nineteenth century and up to the present. A continuation of Course 140.
2 units, winter quarter (BROWN) By arrangement
Winter, 5 [In alternate years; given in 1926–27]

COURSES PRIMARILY FOR GRADUATES

200. Teacher's Course in Physics.—The history of the development of present-day methods of teaching physics, and practice in outlining courses for use in the high school. Two lectures and one library period per week. Prerequisite: a year of college physics.
3 units, spring and summer quarters (BROWN) By arrangement
Spring, 2; summer, 8

201. Literature of Physics.—An intensive study of the literature of special topics in physics. This course is intended for two classes of students: (*a*) those who expect to engage in research and wish to become familiar

with the present status of the subject of the proposed research; and (*b*) those who are preparing for the teaching of physics and wish to acquire facility in working up a subject for class use. The work consists chiefly in the preparation and presentation of reports upon the topics studied. Prerequisite: 25 units of college physics.

Any quarter (ANY MEMBER OF THE DEPARTMENT) By arrangement
Autumn, 1; winter, 3; summer, 3

204. Introduction to Mathematical Physics.—A treatment of general principles, theorems, and equations useful in several branches of physics. The following subjects are briefly treated: vector analysis, theory of potential, fluid motion, vibratory motion, wave motion, theorems of Gauss, Laplace, Green, and Stokes. The derivation, solution, and physical meaning of the differential equations involved are especially emphasized. Prerequisites: Courses 4, 100, 112, differential equations, and either 110 or 121.

5 units, autumn quarter (ROGERS) By arrangement
Autumn, 6

205. Advanced Electricity.—Electric and magnetic fields and potential, Faraday-Maxwell theory of dielectric stresses, the electric circuit including alternating currents, oscillations and waves along wires. Prerequisites: Course 204 and Electrical Engineering 104 and 105. Civil Engineering 117 is strongly recommended.

5 units, winter quarter (ROGERS) By arrangement
Winter, 1

206. Fourier's Series and Sperical Harmonics.—Prerequisite: Course 205.

3 units, summer quarter (WEBSTER) By arrangement
Summer, 5

210. Kinetic Theory.—The properties of gases deduced from the mechanics of molecules, equipartition of energy and specific heats, electron theory of conductivity, Brownian movement, surface energy, critical point and change of state, cohesion and cohesion phenomena. Prerequisites: Courses 13 and 112.

5 units, spring quarter (DREW) By arrangement
Spring, 2 [In alternate years; given in 1926–27]

211. Thermodynamics.—Extended discussion of the second law of thermodynamics and its application to physical and chemical transformations. Prerequisite: Calculus and Course 13.

3 units, autumn quarter (DREW) By arrangement
Autumn, 5

214. Spectral Series and Atomic Structure.—Lectures and discussion on current theories of the line spectra of light and X-rays, and their relation to atomic structure. Prerequisites: Courses 104 (or 121), 206, and 210.

3 units, spring quarter (HARRISON) Lec. MWF 10
Spring, 3 [In alternate years; given in 1926–27]

215. Theories of Radiation, with Special Reference to Continuous Spectra.—Lectures and discussion on current theories of the nature of X-rays and light, with special reference to the problems of radiation from non-periodic systems. Prerequisites: Courses 104 (or 121), 206, and 210.

3 units (WEBSTER) [Given in alternate years; not offered in 1926–27]

216. Seminar.

2 units (HARRISON) By arrangement
Autumn, 4

217. The New Quantum Mechanics.—Lectures and discussion on the new form of quantum theory developed by Max Born. Prerequisite: any course from 204 to 215, inclusive.

3 units, summer quarter (VAN VLECK) By arrangement
Summer, 5

220. Journal Club.—Oral reports on the current literature of physics by department faculty and graduate students.

Any quarter [Not given in 1926–27]

230. Research.—Under this head may be included all work on original problems, experimental or theoretical.

Units and quarter by arrangement (ANY MEMBER OF THE DEPARTMENT)
Autumn, 7 (2 groups); winter, 7 (2 groups); spring, 4; summer, 5

Requirements for Graduation.—For graduation in the department the minimum requirement is 60 units of Physics and Chemistry, of which at least 45 units must be Physics. Civil Engineering 30, 31, and 117 and Electrical Engineering 104, 105, 124, and 125 may be counted as Physics courses for the purpose of fulfilling this requirement. Some other courses in related sciences may be counted in full or part value for this purpose on the approval of the Department of Physics. Physics majors are advised to begin their work in Physics with Courses 1, 2, 20, 4, and 13.

The Teacher's Recommendation.—For a minor, the minimum requirement is 28 units of Physics, which should include Courses 1, 2 (or 14), 20, 4, 13, and 200. For a major, the minimum requirement is 45 units of Physics, including these courses. Courses in related subjects may be substituted for some of the Physics courses on the approval of the Department of Physics. It is highly desirable for candidates for the Teacher's Recommendation in Physics to work as Teaching Assistants in the elementary laboratories. The practice teaching requirement of the Department of Education may be met in this way.

Laboratory Fees.—Courses with one laboratory period, $3 per quarter; two, $5 per quarter; three, $6 per quarter; but no fees will be charged in Course 230 (Research).

SCHOOL OF SOCIAL SCIENCES

†Edwin Angell Cottrell, Henry Waldgrave Stuart, Lewis Madison Terman, Payson Jackson Treat, *Victor J. West, Murray Shipley Wildman *(Chairman)*, Executive Committee
Walter Greenwood Beach, Adviser of Students

The School of Social Sciences has been formed (*a*) to facilitate the work of students who desire to study in several related fields without meeting the requirements for a degree in any one department; (*b*) to afford a convenient organization for the conduct of courses in subjects which do not lie wholly within the scope of any particular department; (*c*) to make possible a closer correlation of the work of the several departments included in the School.

The faculty includes all members of the departments of Economics, History, Philosophy, and Political Science, the divisions of Journalism and Sociology, and the instructors in Citizenship, together with certain professors chosen from the departments of Education, Food Research, Psychology, Law, Language, and Literature, who offer courses of instruction in subjects related to the Social Sciences.

UNDERGRADUATES

Major Students.—In order to become a major student in the School of Social Sciences one must have obtained 90 units of university credit with a grade-point average of 1.5, provided that for majors in any division where specific courses amounting to 30 units or more are required this standard of scholarship may be waived.

For the degree of Bachelor of Arts in this School 80 units are required in courses offered by the departments of Economics, History, Philosophy, and Political Science, together with the related courses offered in the other departments mentioned above. A part of this requirement will, under existing regulations, be met while the student is in the Lower Division.

The following courses of study (described in the announcements of the several departments in which they are offered) are specifically required for graduation in the School:

Economics 1 (Elements)	5 units
Economics 2 (Sociology)	5 units
History 10, 11, and 12 (European) or History 16 and 17 (English)	9 units
Philosophy 2 (Ethics)	4 units
Political Science 1 (Introduction)	5 units
Psychology 51 (General Psychology)	5 units
Statistical Methods	4 units
Total	37 units

[The requirement in statistical methods may be satisfied by Economics 6 (5 units), Education 185 (4 units), or Psychology 60 (5 units). The modern language requirements of the Lower Division must be satisfied as early as possible by all major students in the School who enter from other institutions.]

* Deceased February 26, 1927.
† Acting.

Undergraduates may enroll as major students in any one of the divisions of the School in the same manner as in a regular department of the University, subject to the condition that they shall satisfy the specific requirements of the School for graduation. The divisions of the School may arrange groups of courses constituting "Teaching Majors or Minors" in their respective subjects in the same manner as departments of the University, but no such majors or minors will be granted in "Social Sciences" or under other designation by the School as such.

GRADUATE STUDENTS

Graduate students who have completed the undergraduate requirements of the School of Social Sciences or of any one of the four constituent departments, or an approximate equivalent of these, may be enrolled in the School as major students and may become candidates for the degree of Master of Arts or Doctor of Philosophy. Graduates of a constituent department or of another institution must, however, have completed the specific undergraduate requirements of the School before an application for candidacy for an advanced degree can be approved. Candidates for these degrees shall comply with all the general requirements of the University specified for the degree sought. The entire time of candidates for advanced degrees will as a rule be devoted to studies within the constituent and allied departments of the School, but in particular cases courses or lines of study may be elected in other departments of the University when incidental to and comprised within the general plan of work constituting the candidates' "major in Social Sciences."

The primary function of the School is to assist students in the investigation of problems which may not admit of satisfactory treatment from the point of view of any one of the several social sciences. Accordingly, only such graduate students as are looking forward to the preparation of a thesis or dissertation upon a problem of the kind in question will be enrolled as major students in the School or approved as candidates for advanced degrees. Enrolment will be made with the Chairman of the Executive Committee. Continuance of a graduate student in the School will depend upon the approval of a special standing committee consisting in each case of the Adviser of Graduate Students and a representative designated by each department of the School, constituent or allied, whose province, in the judgment of the Chairman of the Executive Committee, the proposed problem more directly touches. This special committee shall have a general oversight of the student's entire work. It shall pass upon the competence of the candidate's knowledge of French and German and upon the program of studies to be submitted to the Committee on Graduate Study in connection with the application for candidacy for the advanced degree. Application for candidacy must have the final approval of the Chairman of the Executive Committee of the School. The completed program of studies will constitute a "major in Social Sciences" for the degree of Doctor of Philosophy. In view of the composite character of this major, candidates will not be permitted to enroll for a minor in a particular department of the University or division of the School, and the School will regularly recommend to the Committee on Graduate Study in behalf of its candidates for the doctorate that the normal requirement of a specified minor subject, or subjects, be waived. Such candidates, before their primary oral examination for the degree, must pass written examinations of a comprehensive character in the subjects included in the specific undergraduate requirements.

CITIZENSHIP

†Edgar Eugene Robinson (History), Director
Henry Stow Anderson (Economics), Assistant Director
Walter Greenwood Beach (Social Science), Edwin Angell Cottrell (Political Science), Marion Rice Kirkwood (Law), Harley Leist Lutz (Economics), *Victor J. West (Political Science), Chairman, Advisory Committee
Thomas Andrew Bailey, Luther Harris Evans, Roland McLeod Miller, Charles Nathan Reynolds, Elmer L. Shirrell, Charles Hickman Titus, Oswald Henry Wedel, Francis G. Wilson, Instructors

1–3. Problems of Citizenship.—A general introductory course required of all students in their first year. Designed to present the salient features in the bases and background of present-day society, to consider the place of education in modern life and the political equipment of the citizen, and to examine in detail the fundamental political, social, and economic problems of the American people.

Attention will be given the following: (I) Problems of Approach and Method, involving the presentation of the evolutionary conception of society and the preparation of mankind for a reasoning course of action; tests of the progress of man and the emergence of a scientific attitude and a scientific method, together with the development of social science; and, finally, a survey of the sources of information and an examination of the use and value of opinion. (II) Problems of Control and Support, involving an examination of political democracy, its origin, growth, and present-day manifestations, and the place and scope of constitutional government; the cost of government, the sources of its support and the wide extension of governmental activities; the institution of private property and the modern wage system; and, finally, the control of industry. (III) Problems of Liberty and Co-operation, beginning with an examination of American liberty and the protection of individual rights, including, particularly, the pressure of the movement for liberalism and the argument for revolution; the movements of peoples, emphasizing the problems of race, and, particularly, social conflicts within the United States; the growth of modern imperialism, with emphasis upon the foreign policies of the United States; and, finally, the growth and development of international relations.

Lectures by various members of the faculty and sections in charge of instructors in Citizenship.

4 units, autumn, winter, and spring quarters
T 10 (and three hours by arrangement)
Autumn, 571 (19 sections); winter, 588 (19 sections); spring, 552 (20 sections)

† Absent on leave, 1926–27.
* Deceased February 26, 1927.

ECONOMICS

Murray Shipley Wildman, Walter Greenwood Beach, J. Hugh Jackson, Eliot Jones, Harley Leist Lutz, Albert Conser Whitaker, Professors
Theodore H. Boggs, Acting Professor
Joseph Stancliffe Davis, Alonzo Englebert Taylor, Directors of the Food Research Institute
John Bennet Canning, Associate Professor
Henry Stow Anderson, Bernard Francis Haley, Assistant Professors
†Margaret Mulford Lothrop, Charles N. Reynolds, Instructors
George William Lysaght, Acting Instructor (Autumn Quarter)
Holbrook Working, Lecturer
Truman Cicero Bigham, Elmer W. Braun, Dudley Henry Harkleroad, Russell Marion Howard, Mildred Elizabeth Lamb, Charles Norman, Jr., Clifford Ernest Schink, George K. Whiteside, Edwin Everett Wilson, Horace R. Wisely, Wallace Wright, Assistants in Instruction

Nature and Purpose.—Instruction in the Department is not confined to the subject of Economics as commonly defined, but includes, in the Division of Accountancy, the special training in Economics appropriate for the professional practice of both private and public accountants, and, in the Division of Sociology, subject-matter usually offered in departments of sociology. In the conduct of all the courses, however, the economic factors are emphasized and their importance to our social institutions is developed. The primary purpose of the instruction is to discover the elements of a sound public policy rather than to train for a non-professional vocation.

COURSES OPEN TO LOWER DIVISION STUDENTS

1. Elementary Economics.—This is a brief study of problems involving the production, exchange, and use of wealth. An attempt is made to give the student an approach to the economic issues of the day with an intelligent appreciation of the factors which make for sound public policy. Completion of this course is a prerequisite to becoming a major student in the department. Prerequisite: Completion of the course in citizenship or full exemption therefrom.

5 units, autumn, *winter, *spring, and *summer quarters (Anderson, Bigham, Howard, Lamb, Norman, Whiteside, Wildman, Wilson)
Autumn, 144 (4 sections); winter, 140 (4 sections); spring, 76 (2 sections); summer, 36

3a. Elements of Accounts.—The equation of modern accounts; theory of debit and credit; classification of accounts; procedure of recording transactions in modern accounting devices; preparation of balance sheets and loss and gain statements. No prerequisites. Sections limited to 40 students.

5 units, autumn, *winter, *spring, and *summer quarters (Braun, Howard, Schink, Wisely, Wright)
Autumn, 65 (2 sections); winter, 80 (2 sections); spring, 66 (2 sections); summer, 36

3b. Elements of Accounts.—Conclusion of Course *3a*. Prerequisite: Course *3a* or the equivalent. This course should be taken by those expecting

† Absent on leave, 1926–27.

to enter Course 120, and is a prerequisite to all other courses in accounting except Course 4. Sections limited to 40 students.

5 units, autumn, *winter, *spring, and *summer quarters (SCHINK, HARKLEROAD, HOWARD, WISELY)

Autumn 28; winter, 27; spring, 38; summer, 13

4. Elements of Accounts.—A briefer course within the scope of Courses 3*a* and 3*b* intended for those who expect to take only one course in the subject. Special attention is given to the engineer's interests in accounts. This course does not ordinarily serve, in place of 3*a* and 3*b*, as a prerequisite to other courses in accounting.

5 units, autumn, *winter, and *spring quarters (WRIGHT)

Autumn, 34; winter, 55; spring, 34

6. Introduction to Statistical Methods.—A study of elementary statistical methods appropriate for dealing with problems in the social sciences and business. Emphasis is given to the critical examination of data, to the defining of statistical units, to the theory of classification, to the properties and appropriate uses of the commoner averages, and to the determination and interpretation of index numbers.

5 units, autumn and *winter quarters (BRAUN)

Autumn, 39; winter, 40

24. Problems of Agriculture.—A study of the economic forces and institutions with which the farmer is concerned.

5 units, spring quarter (ANDERSON)

Spring, 169

28. Cost Analysis.—The nature of enterprise costs; classification of costs; modes of allocating cost to items of product; the problems of joint costs and of overhead costs; the deficiencies of cost accounts. Prerequisite: Course 3*b* or the equivalent.

5 units, winter quarter (CANNING)

Winter, 30

46. Economic History of the United States.—A general historical survey of the economic development of the United States from the Colonial period to the present. The subject-matter of the course includes the tariff, commerce and manufactures, currency and banking, the South and slavery, the financial management of the government, the labor movement and immigration, and the conservation of national resources.

5 units, autumn quarter (LUTZ)

Autumn, 119

COURSES OPEN TO UPPER DIVISION AND GRADUATES ONLY

100a. Principles of Economics.—A review of the principles of economics. Required of major students in the Department of Economics and open only to them, to students in the School of Social Sciences, and to graduate students. Prerequisite: 135 units.

5 units, autumn, *winter, *spring, and *summer quarters (BIGHAM, BOGGS, JONES, WHITESIDE)

Autumn, 65; winter, 56; spring, 25; summer, 31

100b. Principles of Economics.—A continuation of the work begun in 100*a*; required for graduation in the Department of Economics. Prerequisite: Course 100*a*.

5 units, autumn, *winter, *spring, and *summer quarters (BIGHAM, BOGGS, LUTZ)

Autumn, 20; winter, 71 (2 sections); spring, 42; summer, 22

101. Labor Problems.—A general course. The topics considered include the following: the rise of the wage-earning class, the industrial revolution,

unemployment, woman and child labor, wages, collective bargaining, labor motives, and cultural aspects of labor life.
5 units, autumn quarter (Boggs)
Autumn, 40

106. Foreign Exchange.—A study of the system of settling international indebtedness; principles and practice of exchange banking; money markets of the world and their relations. Domestic exchange will also be considered.
4 units, autumn and *spring quarters (Whitaker)
Autumn, 87; spring, 104

107. Railway Transportation.—Historical account of railroad transportation; rates and rate-making; development of railroad systems; state and federal legislation; decisions of the commissions and of the courts; government ownership and operation. Not open to Lower Division students.
5 units, autumn quarter (Jones)
Autumn, 87

108. Money and Banking.—The elements of monetary theory; the laws of coinage, legal tender, and credit; the history and principles of banking.
5 units, autumn quarter (Wildman)
Autumn, 118

109. Valuation.—The valuation of the operating assets, of the liabilities, and of the proprietary interests in private enterprises; the relating of anticipated outlay costs of operation to the problem of present valuation. Emphasis is given to the theories of depreciation, depletion, and obsolescence of assets, and to the valuation of goodwill. Prerequisite: Course 3*b* or the equivalent, and consent of the instructor.
5 units, spring quarter (Canning)
Spring, 33

110. Public Finance.—A general course dealing with the history and theory of public expenditures, national, state, and local budgets, methods of securing efficiency in the disbursements of public moneys, public debts, and war finance.
5 units, autumn quarter (Lutz)
Autumn, 43

111. Taxation.—A general treatment of the principles and practice of taxation, with special reference to American methods and conditions.
5 units, winter quarter (Lutz)
Winter, 30

[**Business Law.**—See *Announcement of the School of Law.*]

119. Accountancy of Investment.—Methods of valuing income-bearing properties and securities on the basis of a rate of interest, and of finding the rate of interest yielded on investments. Depreciation and sinking funds. The student's work consists largely in the solution of assigned problems. Advanced mathematics not required.
4 units, autumn, *winter, and *spring quarters (Whitaker)
Autumn, 68; winter, 55; spring, 74

120. Corporation and Trust Finance.—Elementary survey of corporation law; the organization and management of corporations and combinations; the corporation's securities, the stock market and stock speculation; financial policy; promotion, underwriting, and reorganization.
4 units, winter quarter (Whitaker)
Winter, 4

130. International Trade.—A survey of the theory of International Trade and a study of the commercial policy of leading countries.
5 units, winter and *summer quarters (Boggs)
Winter, 147; summer, 76

148. Federal Tax Procedure.—The accounting procedure appropriate for determining amounts of taxes payable under the provisions of the Federal Revenue Acts of 1921, 1924, and 1926. Prerequisites: Course *3b* or the equivalent, and consent of the instructor.
5 units, autumn quarter (LYSAGHT)
Autumn, 14

149. Capital and Income.—A critical review of the economists', the lawyers', and the accountants' views of the nature of capital and income. Based on Irving Fisher's *The Nature of Capital and Income.*
5 units, spring quarter (CANNING)
Spring, 36

COURSES PRIMARILY FOR GRADUATE STUDENTS

201. Graduate Seminar.—Open only to candidates for higher degrees.
Autumn and spring quarters (WILDMAN) By arrangement
Autumn, 1; spring, 5; summer, 9

202. Seminar in Transportation.—This seminar is designed for advanced students.
Spring quarter (JONES) By arrangement
Spring, 3; summer, 1

205. Seminar in Economic Research.—Open to qualified students.
Winter quarter (DAVIS) By arrangement
Winter, 2

208a and b. Seminar in Public Finance and Taxation.—This course affords opportunity for independent reading and research in the general field of public finance. Periodic conferences are held for discussion and criticism of the results of each student's investigations. Wide freedom of choice of topics is permitted, subject only to the limitation of available library and field material.
Winter and spring quarters (LUTZ) By arrangement
Winter, 5; spring, 5

209abc. Seminar.—Journal club and graduate seminar in economic argumentation and exposition. Student may enter or leave any quarter.
Autumn, winter, and spring quarters (WHITAKER) [Not given in 1926–27]

210. Accounting Problems.—Methods appropriate for recording and reporting divers classes of transaction to which anyone is likely to be a party but which constitute the principal business of few persons. Such transactions as those between corporation and underwriter, principal and broker, bankrupt and referee and trustee in bankruptcy, trustee and beneficiary, insurer and insured (following a loss), etc., are discussed. Liberal use is made of problems set in recent examinations for Certified Public Accountants. Prerequisite: consent of the instructor.
4 or 5 units, autumn quarter (CANNING)
Autumn, 3

212. Banking.—The operation of the banks under the Federal Reserve Act and a comparison of American with European practice.
5 units, summer quarter (WILDMAN) [Not given in 1926–27]

213abc. History of Economic Thought.—A comparison of the works of the most prominent writers in the development of the science.
3 units, autumn, winter, and summer quarters (HALEY)
Autumn, 14; winter, 18; summer, 16

214. Investments.—A study of the issues of national, state, and municipal governments, of railway, industrial, and irrigation companies from the

investor's point of view, and the organization and methods of bond and brokerage houses.
5 units, spring quarter (WILDMAN)
Spring, 148

217. Railway Problems.—A study, from the viewpoint of public policy, of the problems that arise in connection with government regulation and government ownership. Prerequisite: Course 107.
5 units, summer quarter (JONES) MW 2:05–4:05
Summer, 8

220. Financial Reports.—A discussion of the character of reports necessary to a proper control of the finances of private enterprises; corporate issues; dividend policy; borrower-depositor relations with banks; trade credit policy; etc. The statistical analysis of financial statements will be the mode of procedure. Prerequisite: consent of the instructor.
5 units, autumn quarter (CANNING)
Autumn, 13

221a and b. Seminar in Accounting.—Research in approved problems in the theory and practice of accountancy. Credit for *221a* is not given until *221b* is concluded. Prerequisite: consent of the instructor.
221a. autumn and winter quarters
221b. spring quarter (CANNING) By arrangement
Autumn, 2; winter, 7; spring, 5

222. Introduction to Auditing.—Training for two classes of students is contemplated: (1) those who intend to become professional accountants; and (2) those whose future work as bankers, credit managers, investors, etc., will involve frequent interpretation of the accounts and accounting documents of others. Purposes of audits, kinds of audits, processes of auditing. auditor's reports, and the legal and ethical duties of auditors to clients and to the public are discussed. Practice work in auditing is sought. Prerequisites: Course *3a*, and consent of the instructor.
5 units, autumn quarter (LYSAGHT)
Autumn, 14

223. Operating Reports.—A discussion of the character of reports essential to the proper management of a concern with respect to internal operations; particularly the problems of inventories, of manufacturing and of purchasing, of labor turnover, and of budgetary control. Prerequisite: consent of instructor.
5 units, summer quarter [Not given in 1926–27]

224. Auditing and Accounting Procedure.
4 units, spring quarter (JACKSON)
Spring, 9

225. Public Utilities.—A study of the problems that arise in connection with the regulation of public utility companies (electric light and power, gas, street railway, telephone, and water).
5 units, spring quarter (JONES)
Spring, 11

239ab. Price Forecasting.—A study of the business cycle; and practical problems in the application of statistical and economic information in the forecasting of prices.
3 units, winter and spring quarters (WORKING)
Winter, 11; spring, 9

240. Seminar in International Trade.
5 units, spring quarter (BOGGS) By arrangement
Spring, 8

241. Seminar in Labor Problems.
Autumn and spring quarters (Boggs) By arrangement
Autumn, 1; spring, 6

245. Consolidated Reports.—Accounting principles involved in the construction of consolidated balance sheets and consolidated income statements.
Summer quarter [Not given in 1926–27]

247abc. Advanced Theory.—A critical review and analysis of recent writings in general economic theory.
3 units, autumn, winter, and summer quarters (Haley)
Autumn, 11; winter, 8; summer, 8

DIVISION OF ACCOUNTANCY

Nature and Purpose.—The Division of Accountancy is created to administer a professional training course in Accountancy. The course attempts to organize the existing facilities of instruction in the University in such a way that the body of knowledge necessary to the competent practice of accounting can be most readily acquired. That body of knowledge includes: (1) a sound foundation in general mathematics and statistical method; (2) a ready and full command of certain commercial branches of private law; and (3) a real understanding of the conduct of men in their business relations and of the public problems arising from economic behavior. To this substantive knowledge must be added modes of procedure adequate for the highly specialized statistical work that constitutes the principal work of the accountants' calling.

Graduation.—In order to arrange most conveniently a program leading to the degree of Bachelor of Arts in Economics and Accountancy, the student should consult his department and division advisers as early as possible after matriculation. Beginning with the academic year 1927–28 the requirements for graduation in the Division will be as stated below. In the meantime only those whose study cards can be adjusted substantially to correspond with the course will be accepted as major students. The years in which specific work is to be done is an advisory, not a required, order.

First and Second Years.—Satisfaction of the Lower Division requirements; Elements of Accounts, Cost Analysis, Elementary Economics, Introduction to Political Science, and 15 to 20 units of mathematics and statistical methods.

Third Year.—Public Finance, Taxation, Corporation Finance, Accountancy of Investment, Valuation, Federal Tax Procedure, Money and Banking, and Foreign Exchange.

Fourth Year.—Principles of Economics, Public Utilities, Auditing, Capital and Income, and either Business Law or Contracts and Agency. Financial Reports, Operating Reports, Consolidated Reports, and Accounting Problems may be taken as electives, or, in case of schedule conflicts, as substitutes for other fourth-year work.

Degree of Master of Arts.—A fifth year's program, leading to the degree of Master of Arts in Economics and Accountancy, may be arranged. This should include courses in Bills and Notes, Bankruptcy, Private Corporations,

Municipal Corporations, and any advanced courses in accounting not taken in the undergraduate years. Applicants for the Master's degree will be admitted to candidacy upon oral examination and will be expected to prepare a creditable thesis.

DIVISION OF SOCIOLOGY

Students may major in the Division of Sociology within the Department of Economics, or within the School of Social Sciences. Those who wish to major in this division within the Department of Economics must add to the courses required by the department for Economics majors Course 2 (Elements of Sociology) and Course 101 (Labor Problems). They are urged also to include in their curriculum courses in psychology, ethics, and statistics.

Courses Primarily for Lower Division Students

2. Elementary Sociology.—This course is an elementary study of social principles and problems which are found in human relations as expressed in social organization and institutions. Prerequisite: completion of Citizenship, or full exemption therefrom.
5 units, autumn, *winter, and *summer quarters (Beach)
Autumn 72; winter, 75; summer, 61

Courses Primarily for Upper Division Students

[**101. Labor Problems.**—Consult Division of Economics.]

103. Care of Dependents.—A study of the problems of the care of dependents and defectives in institutions and in their homes, with special reference to conditions in California. Three trips of inspection are required.
5 units, winter quarter (Reynolds)
Winter, 35

104. Problems of Poverty.—A study of the factors causing poverty, crime, disease, and mental defectiveness, as evidences of social maladjustment; a survey of the possible means of prevention and of the social agencies attempting such work, with special reference to California. Trips of inspection are included.
5 units, autumn quarter (Reynolds)
Autumn, 33

105. Crime as a Social Problem.—A study of the problems of crime: the psychological basis, the historical development and the new scientific approach in the treatment of delinquents in the courts and in institutions, with special reference to conditions in California. Three trips of inspection of institutions are required.
5 units, spring quarter (Reynolds)
Spring, 128

114. Introduction to Social Investigation.—A brief survey of the resources of the library and of the methods used in Documentary Research, Case Work, and Social Surveys.
3 units, autumn quarter (Lothrop) [Not given in 1926–27]

116 and 216. Immigration.—A general introduction to the study of immigration in the light of the principles of population, with special reference to the composition of the American people and the social problems involved

in the conflicting economic standards and cultures in the United States. Graduate students who have not had an introductory course in immigration should register for both Courses 116 and 216 after consultation with the instructor, but not for Course 216 alone.
5 units, winter quarter (BEACH)
Winter, 32

117. Problems of Child Welfare.—A brief survey of problems of child protection and care outside of the school, with special reference to conditions in California. This course is designed for teachers or for those interested in child welfare who cannot take the full courses. Two trips of inspection are required.
4 units, summer quarter (LOTHROP) [Not given in 1926–27]

126. Population.—A study of the theories of population and problems of quantity, quality, distribution, and standards of living in modern society.
3 units (BEACH) [Not given in 1926–27]

219. Seminar.—Open only to graduates.
Spring quarter (BEACH) [Not given in 1926–27]

COURSES PRIMARILY FOR GRADUATE STUDENTS

206. Development of Sociological Theory.—An historical and analytical study of leading sociological thinkers as a basis for an understanding of society and its problems.
Autumn quarter (BEACH) By arrangement
Autumn, 5

216. Seminar in Immigration.—Open only to graduates. A research course.
2 units, winter quarter (BEACH)
Winter, 1

218. Social Evolution, Culture, and Progress.—A study of the factors and forces involved in the organization and modification of society. The meaning of culture, the nature of social change, the development of institutions, and the direction of progress are emphasized. Open to seniors and graduates.
4 units, summer quarter (BEACH)
Summer, 32

HISTORY

PAYSON JACKSON TREAT, EPHRAIM DOUGLASS ADAMS, FRANK ALFRED GOLDER, EDWARD MASLIN HULME, PERCY ALVIN MARTIN, †EDGAR EUGENE ROBINSON, Professors
YAMATO ICHIHASHI, RALPH HASWELL LUTZ, Associate Professors
CARL FREMONT BRAND, Assistant Professor
HAROLD HENRY FISHER, Lecturer
CARDINAL L. GOODWIN (Mills College), Acting Professor (Autumn Quarter)
HENRY BARRETT LEARNED, Acting Professor (Winter Quarter)
CARL RUSSELL FISH (University of Wisconsin), Acting Professor (Summer Quarter)

The Department of History provides a liberal course for the degree of Bachelor of Arts, offers opportunity for graduate study leading to higher

† Absent on leave, 1926–27.

degrees, in certain selected fields in which the University is especially well equipped, trains teachers of History, and renders a general service to the other departments of the University.

In addition to its more specialized work, the department offers a number of courses grouped as (I) Introductory and (II) Advanced Lecture Courses intended to meet the general needs of the University constituency. The underlying principle of these courses is that they shall be useful, not in the utilitarian sense, but in the sense that they aid in equipping the student for his duties as a citizen and in giving him instruction that may be helpful in such work as law, journalism, library research, state and national public service, and in business where a knowledge of domestic and foreign affairs is desirable.

For History majors the curriculum for the degree of Bachelor of Arts is designed to familiarize the student with the fundamentals and methods of the chief branches of knowledge, and with the methods of historical science. With this object in view, a general system of advice and requirement has been outlined, but it may be varied to suit the circumstances of the truly exceptional student. Under the four-quarter system 180 units are required for graduation. The general system of the Department of History prescribes 45 units of History, of which 3 are required in an Introductory Seminar, and 6 in one or two Seminar Courses. In addition to the requirements of the Lower Division the department requires eight units in Economics or Political Science, and a reading knowledge of at least one foreign language by the end of the junior year.

Advanced Degrees.—Graduate students, candidates for advanced degrees, are desired and will be given personal guidance, but the purposeless graduate student will not be accepted by the department. For the opportunities of graduate study in history see University Bulletin on *Graduate Study.*

Graduate students seeking to fulfill the requirements of the State Board of Education for the *Teacher's Certificate* will be given the necessary aid and opportunities, but will register as majors in the School of Education. (See *Announcement of the School of Education.*)

The Teacher's Recommendation in History.—Applicants for the departmental recommendation, as a major, must have completed in a manner acceptable to the department at least 45 units of History, as follows: Introductory courses, 27 units; Advanced Lecture Courses, 9 units; Introductory Seminar Course, 3 units; Seminar Courses, 6 units.

For a teaching minor either European or American History may be offered:

a) European History—selected from Introductory Courses in European, English, and Far Eastern History, 15 units; Advanced Lecture Courses in these fields, 6 units; Introductory Seminar Course in one of these fields, 3 units.

b) American History—similar to a Minor in European History, but courses in American and Latin-American History must be selected.

The Teachers' Course in History, as offered by the School of Education, is a prerequisite for either a teaching major or minor. (See Education 211.)

I. INTRODUCTORY COURSES

[**Greek History.**—See under Classical Literature, Courses C1, 2, 3, 4.]

[**Roman History.**—See under Classical Literature, Course C5.]

10. European History, 395–1300.—A general course dealing with the development of medieval life and institutions, with special attention to feudal conditions, and also to the Church as the controlling force influencing every element of the life of the time. Open to all students.
3 units, autumn and summer quarters (HULME) MWF 9
Autumn, 339; summer, 100

11. European History, 1300–1600.—A continuation of History 10, with special emphasis upon the Renaissance and the Reformation. Open to all students.
3 units, winter quarter (HULME) MWF 9
Winter, 319

12. Europe Since 1600.—A survey of the political, economic, and social development of the European nationalities, with special emphasis upon the period of absolutism, industrial revolution, French revolution, growth of democracy and nationalism, and the Great War. Open to all students.
3 units, spring quarter (LUTZ) MWF 9
Spring, 261

13. The History of Modern France.—A general survey course of institutional, social, and political development from the foundation of Bourbon absolutism to the close of the Great War. Open to all except freshman students.
2 units, winter quarter (LUTZ) TTh 11
Winter, 90

14. History of Russia.—A general survey of the beginnings and earlier period of Russian history. Open to all except freshman students.
5 units, spring quarter (GOLDER) MTWThF 8
Spring, 100

16. English History to 1603.—A general outline course on the making of the English state and nation to the death of Elizabeth, with emphasis upon events and institutions especially significant for the later history of the English-speaking peoples. Open to all students, though especially intended for those in the Lower Division.
5 units, autumn quarter (BRAND) MTWThF 11
Autumn, 225

17. England Since 1603, and British Overseas Expansion.—A continuation of History 16.
4 units, winter quarter (BRAND) MTWTh 11
Winter, 65

21. American History, 1607–1789.—A survey of the English colonization of the Atlantic Seaboard and of the westward movement of colonists of the British Empire, followed by a consideration of the Revolution and of the formation of the American government. Open to all students.
3 units, autumn quarter (GOODWIN) MWF 10
Autumn, 301

22. American History, 1789–1848.—Presidential administrations from Washington to Polk; the War of 1812; industrial changes and expansion; abolition; political changes; territorial expansion. Open to all students.
3 units, winter quarter (ADAMS) MWF 10
3 units, summer quarter (FISH) MWTh 10
Winter, 302; summer, 54

23. American History, 1848–1920.—Slavery issues; the Civil War; reconstruction; industrial changes; new political parties and theories; the United States and world politics. Open to all students.
3 units, spring quarter (ADAMS) MWF 10
Spring, 249

24. The Westward Movement.—A survey of the expansion of the American people into the Mississippi Valley, and the American occupation of the Pacific Northwest and of California. Open to all except freshman students.

5 units (ROBINSON) [Not given in 1926–27]

27. The Far East.—An account of the relations between Western nations and the peoples of Eastern Asia. Emphasis is placed upon international relations, especially since the middle of the nineteenth century, rather than upon the domestic history of the Eastern nations. The work of the Portuguese, Dutch, and British is studied and special attention is given to the rise of the British Empire in India. Open to all except freshman students.

5 units, autumn quarter (TREAT) MTWThF 9
Autumn, 141

28. The Far East.—The relations of the West with China, Indo-China, Japan, and the Philippines. Open to all except freshman students.

5 units, winter quarter (TREAT) MTWThF 9
Winter, 147

31. History of Japan.—A general survey of the political, social, and economic development from the foundation of the empire to the present time. Open to all except freshman students.

5 units, spring quarter (ICHIHASHI) MTWThF 9
Spring, 87

36. History of Spanish America.—An outline course, dealing chiefly with the Spanish Colonial System and the Spanish-American Wars of Independence. Open to all except freshman students.

5 units, winter quarter (MARTIN) MTWThF 9
Winter, 81

37. History of South America Since 1823.—A continuation of History 36. An outline course dealing with the history and institutions of the leading nations of South America; includes the discussion of such topics as the Monroe Doctrine, Pan-Americanism, and the relations between the United States and Latin America.

5 units, spring and summer quarters (MARTIN) MTWThF 9
Spring, 98; summer, 56

40. The Great War.—A survey of the causes, campaigns, and results of the war of 1914. Open to all students.

3 units, spring quarter (FISHER) MWF 11
Spring, 220

II. ADVANCED LECTURE COURSES

[The courses in this group are intended for students of at least junior standing, but sophomores may be admitted at the discretion of the instructor.]

137. European Thought and Culture.—The history of various movements of thought and ideals of culture and conduct that have been influential in the life of Western Europe. (During the summer quarter this course was given as Course 150.)

2 units, spring quarter (HULME) TTh 9
3 units, summer quarter (HULME) MWF 10
Spring, 127; summer, 54

138. Historical Method.—A course preparatory to historical research and to the teaching of history. It will discuss what history is, what it is for, what are its materials, what are its methods, what are its relations to neighbor studies, how to read history, how to study it, and how to write it.

It will also provide for introductory studies of some of the sciences that are auxiliary to history.
3 units, spring quarter (HULME) MWF 11
Spring, 21

139. The End of the Middle Ages.—A study of the phenomena, such as the rise of towns, of new nations, and of new thought, that, in the twelfth and thirteenth centuries, prepared the way for the Renaissance.
3 units, autumn quarter (HULME) MWF 11
Autumn, 42

140. The Italian Renaissance.—The development of the new humanism in its relations to the political, social, and religious life of the time. The lectures deal with the sources as well as the evolution of the new and broadening thought of this critical and formulative period; with the revival of nationality and individuality, of literature, of art, of science, and of conscience, with the changing economic and social conditions; and with the development of political theory and the transformation of law.
3 units, winter quarter (HULME) MWF 11
Winter, 47

141. The Reformation.—A study of the causes of the ecclesiastical revolt in the sixteenth century, of the progress of the movement in its various phases, of its more immediate results, and of its bearing upon the life and thought of our own day.
3 units, spring quarter (HULME) [Not given in 1926–27]

142. The French Revolution and the Napoleonic Era.—A study of the conditions in France before 1789, the Revolution from 1789 to 1799, the organization of France under Napoleon, the character of the Napoleonic empire, the reorganization of Europe, 1814–1815, and the attempt to create a European Federation.
3 units, winter quarter (LUTZ) [Not given in 1926–27]

143. Europe Since 1815.—A course of lectures on the conflict of Reaction and Liberalism, the Industrial Revolution, the emergence of class consciousness, nationalism and imperialism, the Great War and the terms of peace.
3 units, autumn quarter (LUTZ) [Not given in 1926–27]

146. Propaganda and Censorship.—The methods and materials of war and post-war propaganda; censorship; the effects of propaganda and censorship on political and social thought during and since the war.
3 units, winter quarter (FISHER) MWF 9
Winter, 15

152. The Russian Revolution.—A political and social study of Russia during the war and the revolution.
3 units, autumn and summer quarters (GOLDER) MWF 8
Autumn, 27; summer, 25

153. The New Europe.—A study of the European situation since the Armistice, with emphasis on its economic and social aspects.
3 units, autumn quarter (FISHER) MWF 9
Autumn, 38

154. Central Europe and the Balkans.—A survey of domestic and international developments from 1815 to 1920.
3 units, winter quarter (GOLDER) [Not given in 1926–27]

155. The Peace Negotiations.—A study of the war aims and peace negotiations, 1915–1920.
3 units, winter quarter (GOLDER) MWF 8
Winter, 31

156. History of Canada.—A survey of the evolution of the Dominion of Canada. Preliminary consideration of the periods of discovery, of early trade and settlement by French and British, and of the contest between France and Britain for empire, followed by a survey of the further development of the several colonies, their achievement of responsible government, their consolidation and expansion into a continent-wide federal dominion and growth to autonomous nationhood as a member of the British Empire Commonwealth. Emphasis also upon the significance in Canadian History of Canada's nearness to and relations with the United States.
4 units, spring quarter (BRAND) MTWTh 10
Spring, 29

[History of Germany.—See Germanic Languages 191.]

158. British Constitutional History.—An attempt to explain the development, the underlying principles, and the operation of the British constitution. It is also the aim of the course to give a background for American constitutional history.
4 units, spring quarter (BRAND) MTWTh 8
Spring, 40

162. History of the West.—A consideration of the political phases of the expansion of the American people; an examination of new issues and new groups that have risen in the West and their influence upon national party history.
3 units, spring quarter (ROBINSON) [Not given in 1926–27]

163. United States Foreign Relations, 1776–1925.—A survey of the more important diplomatic questions of the period.
3 units, winter quarter (LEARNED) MWF 10
Winter, 61

164. British-American Diplomatic Relations.—Lectures and reading on those incidents or conditions in foreign policy where the United States has come into conflict or contact with the foreign policy of Great Britain and her colonies; with a survey of the general purpose of British and of American foreign policy throughout the hundred-year period.
3 units, autumn quarter (ADAMS) MWF 10
Autumn, 54

165. The Civil War and Reconstruction.—A course in the study and interpretation of the problems, political, military, social, and economic, involved in the United States Civil War, and a comparison of some of these with similar problems of the late Great War.
3 units, summer quarter (FISH) MWTh 8
Summer, 31

166. History of Australasia.—An account of British colonization in Australia and New Zealand to the present time. Open to third-year students who have a satisfactory knowledge of English history.
3 units, spring quarter (TREAT) MWF 9
Spring, 22

167. Tropical Colonization in the Far East.—A study of the present methods of the English, Dutch, French, and American governments in their tropical dependencies in the Far East. Open to students who have taken Course 27.
3 units, spring quarter (TREAT) [Not given in 1926–27]

168. Japanese Foreign Relations Since 1894.—A critical examination of Japanese foreign relations beginning with the Chinese-Japanese War

in 1894–95. Special attention will be given to her imperialism and to her position in world politics.
4 units, autumn quarter (ICHIHASHI) MTWF 8
Autumn, 22

169. History of Japanese Civilization.—A survey of, and an attempt to interpret, the history of Japanese civilization. Special attention will be given to the religions, philosophy, literature and arts, fine and industrial.
4 units, winter quarter (ICHIHASHI) MTWTh 8
Winter, 48

170. History of Mexico and California.—A somewhat detailed study of the history of Mexico up to the present time, and of the history of California to 1848.
3 units, spring quarter (MARTIN) [Not given in 1926–27]

175. The American Constitution and American Ideals.—A special course for those wishing to fulfill the requirement for the Teachers' Certificate. Open to others by permission.
3 units, autumn quarter (ADAMS) TTh 10
Autumn, 42

176. Historiography.—A course designed to familiarize the student with the writings and influence of the great historians from Herodotus to the present time. The work will consist of lectures, papers and class discussions. Open to graduate students and to others at the discretion of the instructor.
3 units, spring quarter (MARTIN) T 2–4
Spring. 13

[Law 216. Public International Law.—A course given by the School of Law strongly advised for History majors interested in world politics and relations. It will be accepted for credit in fulfilling the History requirements for the degree of Bachelor of Arts. Open, at the discretion of the instructor, to majors of other than the School of Law in their third or fourth year.]

[Law 225. Constitutional Law I.—Accepted for credit in fulfilling the History requirements for the degree of Bachelor of Arts.]

[Law 226. Constitutional Law II.—Accepted for credit in fulfilling the History requirements for the degree of Bachelor of Arts.]

III. INTRODUCTORY SEMINAR COURSES

[The courses in this group are intended primarily for History majors in their junior year as preparation for senior seminars, or graduate work. If a course is not filled by History majors, others may be admitted at the discretion of the instructor.]

177. Studies in Medieval and Renaissance History.—An introduction to the primary and secondary sources relating to selected topics in the history of the later Middle Ages and the Renaissance. Open to those who have had History 10 and 11, or their equivalent, and who can read at least one foreign language fluently.
3 units, spring and summer quarters (HULME) TTh 10
Spring. 15; summer, 9

178. Nineteenth-Century European Problems.—Papers and class discussions on important domestic and foreign problems of European nations.
3 units, spring quarter (GOLDER) MWF 10
Spring, 15; summer, 9

180. Selected Topics in English History.—An introduction to materials for the study of English History, with assignments of special topics.
3 units, winter quarter (BRAND) MWF 9
Winter, 4

184. The Great War.—A general survey of the period of the war and the armistice, with assignment of special topics for study from materials in the Hoover War Library.
3 units, winter quarter (Lutz) MF 11
Winter, 13

186. Selected Topics in American History.—A study of materials dealing with the Federal Convention of 1787.
3 units, autumn quarter (Goodwin) MW 11
Autumn, 14

187. Selected Topics in American History.—A study of various problems in the foreign relations of the United States.
3 units, winter quarter (Learned) TTh 10
Winter, 16

190. Selected Topics in Far Eastern History.—Designed to introduce the student to materials in Western languages useful in the study of the modern history of the Far East. Open to those who have had History 28.
3 units, spring quarter (Treat) MWF 11
Spring, 15

196. Selected Topics in South American History.—A somewhat detailed study of the history of Brazil, with special emphasis on the period since 1822. The course includes a comparison of Brazilian political institutions with those of Spanish America and the United States.
3 units, summer quarter (Martin) MWF 9
Summer, 10

197. Government of Japan.—A critical study, with materials in Western languages, of the present governmental system of Japan in order to understand the underlying factors in the struggle between bureaucracy and democracy. Papers, reports, and discussion in class.
3 units, autumn quarter (Ichihashi) TTh 11
Autumn, 8

IV. SEMINAR COURSES

[For History majors primarily, of senior or graduate standing]

205. Seminar in Medieval History.
3 units, autumn and winter quarters (Hulme) Th 2–4
Autumn, 4; winter, 4

207. Seminar in Modern European History.
3 units, winter and spring quarters (Lutz) T 2–4
Winter, 8; spring, 9

210. Seminar in the History of England and the British Empire.
3 units, autumn and winter quarters (Brand) Th 2–4
Autumn, 10; winter, 8

213. Seminar in the History of the West.
3 units, summer quarter (Fish) M 2–4
Summer, 15

219. Seminar in American Diplomatic History.
3 units, winter and spring quarters (Adams) W 2–4
Winter, 9; spring, 7

225. Seminar in the History of the Far East.
3 units, autumn and winter quarters (Treat) T 2–4
Autumn, 9; winter, 9

226. Seminar in Russian History.
3 units, autumn and winter quarters (Golder) W 2–4
Autumn, 1; winter, 2

228. Seminar in Japanese History.
3 units, winter and spring quarters (ICHIHASHI) Th 2–4
Winter, 9; spring, 9

231. Seminar in Latin-American History.
3 units, winter and spring quarters (MARTIN) M 2–4
Winter, 1; spring, 1

240. Graduate Work.—Students properly qualified under the University regulations to pursue genuine graduate studies are given special attention and due credit allotted for the work accomplished. Such students receive individual advice and guidance, whether in set courses or in special research.
Units, not to exceed a total of 15 Hours by arrangement
Autumn, 14 (5 groups); winter, 10 (5 groups); spring, 18 (7 groups); summer, 18 (9 groups)

DIVISION OF JOURNALISM

EVERETT WALLACE SMITH, Professor
BUFORD O. BROWN, Associate Professor
JOHN M. BAKER (University of Hawaii), Acting Instructor (Summer Quarter)

The Journalism curriculum is based on the conviction that the proper college training for journalism provides (1) a broad foundation of general information, (2) more specific knowledge of economics, political science, history, and other subjects with which the journalist largely deals, and (3) some technical ability in journalism and an intelligent comprehension of the obligations and responsibilities of the profession.

The requirements of the Lower Division insure that the student will come into contact with the chief branches of human knowledge and lay a basis for more advanced studies along the lines of his particular needs and interests. The requirements of the School of Social Sciences insure his specializing somewhat in the work of the departments of Economics, History, Philosophy, and Political Science, and in related subjects, at the same time leaving him opportunity for meeting the Journalism requirements and for electives.

Students in the Division of Journalism will meet all the requirements of the School of Social Sciences, and will take a minimum of 30 units in Journalism, including News Writing (10 units), Copy Reading (5 units), American Journalism (3 units), and Ethics of Journalism (2 units). The work in Journalism will count toward the 80 units required by the School of Social Sciences, but will not replace any of the 36 units specifically required.

Intending journalists are encouraged to engage in college journalism and thus obtain practical experience during their course. Students in the Division of Journalism who do such work systematically and under the supervision of the Division will be given credit for it toward graduation. Lower Division students who plan to enter the Division of Journalism may receive 1 unit of credit per quarter for regular work on *The Stanford Daily* under the supervision of the Division of Journalism.

In some of the journalism courses the written work must be done on the typewriter. On this account and because ability to use the typewriter is

necessary for practically all newspaper work, prospective journalism students are advised to gain this ability as early as possible.

COURSES IN JOURNALISM

100. News Writing I.—Study of the structure of the news story and of news values, with practice in writing. Sources of news and methods of news gathering. Newspaper organization and news-gathering organizations. All writing in the course must be done on a typewriter.

5 units, autumn quarter (SMITH, BROWN) MTWThF 8, 9
Autumn, 42 (2 sections)

101. News Writing II.—A continuation of Course 100. Writing of more difficult news stories, and under time limitation.

5 units, winter quarter (SMITH) MTWThF 8
Winter, 12

102. Copy Reading.—A continuation of Course 101, headline writing and proofreading.

5 units, spring quarter (SMITH) MTWThF 8
Spring, 18

103. Elementary Practice.—Practical work in news gathering and writing for the *Stanford Daily* or other newspapers, or on the business staff of a campus publication, with conferences. One unit of credit for three hours of work of a character satisfactory to the Division of Journalism. Open only to Journalism major students, with a maximum credit of two units a quarter, or to Lower Division students preparing to enter the Division of Journalism, with a maximum credit of one unit a quarter.

1 or 2 units, autumn, winter, and spring quarters (SMITH, BROWN) By arrangement
5 units, summer quarter (SMITH, BAKER) By arrangement
Autumn, 13; winter, 17; spring, 24; summer, 19

104. Advanced Practice.—Practical work in executive positions on the editorial or business staffs of campus publications, with conferences. One unit of credit for three hours of work. Open only to Journalism major students, with a maximum of three units a quarter, or to Lower Division students preparing to enter the Journalism Division, with a maximum credit of one unit.

1 to 3 units, autumn, winter, and spring quarters (SMITH, BROWN) By arrangement
5 units, summer quarter (SMITH, BAKER) By arrangement
Autumn, 21; winter, 25; spring, 21; summer, 6

105. Editorial Writing.—Study of the function of the editorial, with practice in writing.

5 units, autumn quarter (SMITH, BROWN) MTWThF 11
Autumn, 14

106. Feature Article.—Study of the feature article for newspapers and magazines, with practice in writing.

5 units, winter quarter (SMITH) MTWThF 11
1 unit, autumn, winter, and spring quarters (SMITH) W 7 P.M.
Autumn, 5; winter, 16; spring, 2

107. American Journalism.—A survey of the development of American newspapers, and a study of the work and influence of outstanding journalists.

3 units, spring quarter (SMITH) MWF 11
Spring, 24

108. Ethics of Journalism.—A consideration of problems of conduct and practice in newspaper writing, editing, and publishing.

2 units, spring quarter (SMITH) TTh 11
Spring, 32

109. Law of the Press.—A survey of the bearing and application of various laws that affect the work of writers and publishers of newspapers.
2 units, spring quarter (BROWN) [Not given in 1926–27]

110. Editorial Management.—The conduct of the small town and country newspaper, with emphasis on the news and editorial side; the problems of the executive who directs editorial and news policies; the relation of news and editorial departments to advertising and circulation, and of news and editorial departments to each other.
5 units, winter quarter (BROWN) MTWThF 9
Winter, 23

111. Business Management.—The conduct of the small town and country newspaper on the business side; costs, advertising problems, circulation, and other elements in the maintenance of a newspaper as a profit-making business enterprise. Open to those who have passed Journalism 110, and others by permission.
5 units, spring quarter (BROWN) MTWThF 9
Spring, 54

112. Advertising Problems.—A course in the principles and practice of advertising for students who are training for journalism, and covering the subject from the standpoint of the newspaper office, especially with regard to small city and country papers. This is not planned as a general course in advertising. Enrollment is limited, and preference will be given to Journalism majors.
5 units, winter quarter (BROWN) MTWThF 10
Winter, 65

113. Seminar in Business Problems of the Newspaper.—Open to senior or graduate students who have had the necessary prerequisites.
3 units, spring quarter (BROWN) By arrangement
Spring, 12

114. Seminar in Writing and Editorial Work.—Open to senior or graduate students.
Spring quarter (SMITH) [Not given in 1926–27]

149. Seminar.
Autumn quarter (BROWN) By arrangement
Autumn, 4

[Teachers' Course in Journalism.—See Education 212.]

[Law for the Journalist.—See Law 101*b*.]

PHILOSOPHY

HENRY WALDGRAVE STUART, Professor
HAROLD CHAPMAN BROWN, Associate Professor
LEDGER WOOD, Instructor
LOUIS ARNAUD REID (University of Liverpool), Acting Professor (Summer Quarter)

The requirements for graduation in this department constitute an adequate preparation for advanced studies in Philosophy, and leave opportunity for the other elements of a general or liberal education. Major students are required to present for the degree of Bachelor of Arts 35 units in Philosophy

(in which Courses 1, 2, 100, 101, 102, and 200 must be included) and also the general courses in Psychology and in Medieval and Modern European History or English History (which should be taken during the first two years in the University). The second-year courses in French or German are recommended as a part of the Lower Division work of intending major students. Each major student will be expected to devote sufficient time to a minor subject to gain a substantial knowledge of some one of its principal divisions or aspects.

The department will, as a rule, enroll students for one year only of graduate work, leading to the degree of Master of Arts or to a minor for the degree of Doctor of Philosophy. The philosophical section of the general library contains at present (1) upwards of twenty complete sets of the leading philosophical journals—for most of which current subscriptions are carried, (2) the best available editions of the works of the principal philosophers, and (3) an extensive and constantly increasing collection of standard and contemporary literature—historical, critical, and constructive—covering the various fields of philosophical study.

ELEMENTARY COURSES

1. Logic.—The principles of Deductive and Inductive Logic, with special attention to the important types of fallacy. Open to all students.
5 units, autumn quarter (BROWN, WOOD) TWThF 9
Autumn, 147 (2 sections)

2. Ethics.—A short survey of the morality of primitive peoples as compared with more developed forms of morality. The working principles of good conduct. The important historic theories as to the ethical criterion. Prerequisite: second-year standing.
5 units, winter quarter (STUART) TWThF 8, 1:05
Winter, 125 (2 sections)

3. Modern Scientific Conceptions of Nature and Mind.—A study of current views of cosmic structure and the place of man and his activities in nature, in the light of recent developments in physical chemistry, evolutionary biology, and psychology. Prerequisite: second-year standing.
5 units, autumn quarter (BROWN) TWThF 10
Autumn, 139

4. Esthetics.—The origins and nature of art. Its significance for religion, morality, and social life. The rise of art forms. Contemporary theories of esthetics. Prerequisite: second-year standing.
5 units, spring quarter (BROWN) TWThF 10
Spring, 147

5. Inductive Logic.—Methods of investigation in use in the natural and social sciences, and the cardinal assumptions and principles on which these methods are based. The course closes with a brief introduction to the field of general philosophy. Prerequisite: Course 1, or second-year standing with approval.
5 units, winter quarter (WOOD) TWThF 9
Winter, 18

6. Religion.—The psychological and social origins of religion. The relations of religion to science, to morality, and to philosophy. The distinctive content and characteristics of the great religions. Open to all but first-year students.
5 units, summer quarter (STUART) TWThF 8
Summer, 16

7. Introduction to Philosophy.—Various definitions of philosophy and views as to its method and scope. Philosophy's relations to the sciences. Its branches and subdivisions. Some philosophical problems, illustrated by reference to the history of philosophy. Open to all but first-year students. Additional work assigned for students desiring "intermediate" credit (Course 102).
5 units, summer quarter (REID) TWThF 10
Summer, 88

INTERMEDIATE COURSES

100. History of Philosophy.—The development of philosophical theories from the early Greek period to the end of the eighteenth century, with a brief outline of philosophical movements in the nineteenth century. Attention will be given throughout to the relations of philosophy with social and political conditions and with science, literature, and religion.
5 units, autumn and winter quarters (WOOD) TWThF 11
Autumn, 46; winter, 65

101. Philosophy of the Nineteenth Century.—Particular attention will be given to Hegel and Schopenhauer and their influence on later thinkers. Prerequisite: Course 100 or an equivalent.
5 units, spring quarter (WOOD) TWThF 11
Spring, 58

102. Introduction to Philosophy.—The aims and uses of philosophical study and the relation of philosophy to other subjects. How the problems of philosophy arise in the ordinary course of our experience. A review of the more important answers which have been proposed for these problems.
5 units (STUART) [Not given in 1926–27]

103. Ethical Principles and Practical Life.—A comparative study of selections from Aristotle, the Stoics, the New Testament, Herbert Spencer, Matthew Arnold, Nietzsche, and Tolstoy. The contemporary historical conditions of various sorts which were influential in forming each type of ethical teaching, and the practical tendencies of each type as applied in actual behavior.
5 units, summer quarter (STUART) TWThF 9
Summer, 19

104. The Social Order and the Individual.—Insect and animal "societies" and the types of human social organization. Social authority and individual initiative. The ethical basis of political obligation. The nature of democracy, aristocracy, and absolutism. Prerequisite: Course 2 or an equivalent.
5 units (STUART) [Not given in 1926–27]

105. Religion.—The psychological and social origins of religion. The relations of religion to science, to morality, and to philosophy. The distinctive content and characteristics of the great religions.
5 units, summer quarter (STUART) TWThF 2:05
Summer, 17

106. The History of Intelligence.—The mental processes of primitive peoples. The beginnings of thinking and the ideal of truth. Great movements in intellectual progress. Contemporary forms of truth-seeking in art, science, and religion. Prerequisite: Course 1, 2, or 3.
5 units, winter quarter (BROWN) TWThF 10
Winter, 66

107. Spinoza and Leibniz.—A study of these thinkers emphasizing the ideas and tendencies in their systems which are most significant for con-

temporary science and philosophy. Prerequisite: Course 100, second half, or an equivalent.
5 units, winter quarter (WOOD) By arrangement
Winter, 2

108. British Empiricism: Locke, Berkeley, and Hume.—A course complementary to 107. Prerequisite: Course 100, second half, or an equivalent.
5 units, spring quarter (WOOD) By arrangement
Spring, 6

ADVANCED AND GRADUATE COURSES

200. The Problems of Contemporary Philosophy.—A constructive discussion of the main problems of general philosophy. Leighton's *Man and the Cosmos* (N.Y., Appleton's) was used as a text, together with collateral reading. Prerequisites: Courses 100, 101, and 102, or an equivalent.
5 units, spring quarter (BROWN) TWThF 9
Spring, 22

201. Truth and Its Place in Reality.—The problem of truth: what it is, what it is not, and how it arises. Common sense and the "copy" theory. "Correspondence," "Coherence," and "Realistic" theories. The nature of truth. Tests of truth: feeling, intuition, system. Truth and value: Pragmatism. The problem of value. Truth and beauty. Truth and goodness. Truth and religion. Prerequisites: History of Philosophy, including the nineteenth century, and Introduction to Philosophy.
5 units, summer quarter (REID) TWThF 11
Summer, 6

210. The Nature and Function of Mind.—A critical examination of the relations of mind to consciousness, the psychical, and physical nature. The definition of mind and its place in the economy of life. C. D. Broad's *The Mind and Its Place in Nature* was used as a basis for discussion. Prerequisites: Courses 3, 100, 102, or 106.
5 units, winter quarter (BROWN) TWThF 11
Winter, 8

250. Seminary.

a. Selected Topics.
Autumn and winter quarters (BROWN) By arrangement
Autumn, 11; winter, 2

b. Naturalism in Recent Philosophy.
Winter quarter (STUART) Th 4–6
Winter, 7

c. Continental Rationalism.
Winter quarter (WOOD) By arrangement
Winter, 1

POLITICAL SCIENCE

*Victor J. West, Edwin Angell Cottrell, Professors
Frederick A. Middlebush (University of Missouri), Acting Professor (Summer Quarter)
Graham Henry Stuart, Associate Professor
Chester H. Rowell, Lecturer
Luther Harris Evans, Charles Hickman Titus, Instructors
Flora May Fearing, Acting Instructor (Summer Quarter)
Hugo Wall, Assistant in Research

It is the purpose of the Department of Political Science to provide instruction for (*a*) those students, whatever their special interests, who desire to be informed about the organization, relationships, and processes of political institutions, and (*b*) those who desire to become teachers or investigators in political science. The courses offered by the department are so planned that, together with certain courses in Economics, History, Law, and Philosophy, they constitute a systematic and fairly complete treatment of the subject. Each course, except Course 1, deals with a special phase of the subject and has a definite relation to all of the other courses offered, but is so presented as to be complete in itself. Course 1 serves as a general survey of political science and as an introduction to all the other courses.

Graduation.—The department accepts as major students both the specialists and those desiring the fundamentals of a liberal education. The minimum requirements for the recommendation for the degree of Bachelor of Arts in Political Science are the completion (1) of the work of the Lower Division (or its equivalent) and (2) of about forty units of Political Science. The department will endeavor to arrange the program of each of its major students to fit his particular aims. Certain courses in Economics, History, Law, and Philosophy may be counted as Political Science at the discretion of the department.

Students desiring to prepare for foreign service or for municipal management are invited to confer with the department respecting the opportunities in these lines and the course of study for each.

Teacher's Recommendation.—For the recommendation for the high-school teacher's certificate with Political Science as a minor, the applicant should have completed, in a manner satisfactory to the department, at least 23 units in Political Science, including Courses 1, 2, and 10.

Advanced Degrees.—Advanced and graduate courses are described in the following pages. For the conditions under which candidates for higher degrees are accepted by the department, see the *Graduate Study Bulletin.*

ELEMENTARY AND GENERAL COURSES

1. Introduction to Political Science.—Fundamental political conceptions: state, government, nature and source of public authority, individual liberty; governmental organization; governmental functions; political parties; international relations. Open to all students. This course, or its equivalent, is prerequisite for all other courses offered by the department.

5 units, autumn quarter (West) MTWThF 8
Autumn, 207

* Deceased February 26, 1927.

2. State and Local Government.—Township, municipal, county, and state government in the United States, with special attention to California. (Open to first-year students by permission.)
5 units, spring quarter (COTTRELL) MTWThF 9
Spring, 70

INTERMEDIATE COURSES

[Not open to students who have less than 40 units of university credit, nor to students who have not credit for Political Science 1, or a satisfactory equivalent.]

10. Comparative Federal Government.—An inquiry into the operation of the federal principle in the United States and other federal states. Concerned chiefly with the "division of powers" and the relationships between central and local governments; emphasis on recent tendencies.
5 units, winter quarter (WEST) TWThF 8
Winter, 79

11. Parliamentary Government.—A study of those European governments in which the responsible ministry is the characteristic feature; especial attention to England and France. Emphasis on the relationships between the representative assembly and the executive.
5 units, spring quarter (STUART) MTWTh 11
Spring, 56

15. International Relations.—The nature and importance of international relations; underlying problems: nationalism, militarism, imperialism; agencies of control: diplomatic, administrative; development of international organization, culminating with the League of Nations.
5 units, autumn quarter (STUART) MTWTh 10
5 units, summer quarter (MIDDLEBUSH) TWThF 11
Autumn, 120; summer, 28

ADVANCED COURSES

[Not open to students in the Lower Division, nor to students who have not credit for Political Science 1 or a satisfactory equivalent.]

100. Elections.—The organization of the electorate for the performance of the functions of direction and control of government; theories of voting; qualifications for voting; election methods—primary and ballot laws, safeguards against fraud, election contests, etc.
5 units, winter quarter (WEST) TWThF 10
Winter, 32

101. Legislatures and Legislation.—Composition, organization, and functions of representative assemblies; theories of representation; legislative procedure for control purposes and lawmaking; direct legislation.
5 units, spring quarter (TITUS) TWThF 8
Spring, 10

102. Political Parties.—The political party as a part of the political machinery; party organization; party activities; campaign methods; reform movements; public opinion and party leadership; the true functions of parties; party responsibility. (Desirable prerequisite: Political Science 100.)
5 units, spring quarter (TITUS) TWThF 10
Spring, 17

110. Administrative Organization.—Principles of administrative organization; relation of executive to other branches; territorial distribution of administrative functions; organization of executive departments; elective versus appointive executives; single versus plural executives; responsibility of administrative officers; administrative reorganization in the United States.
5 units, autumn quarter (COTTRELL) MTWTh 9
Autumn, 24

111. Administrative Problems.—Methods of administrative control; the budget; accounting and reporting; purchase and supply; personnel—selection, promotion, and demotion, removal and retirement. (Desirable prerequisite: Political Science 110.)
5 units, spring quarter (COTTRELL) MTWTh 11
Spring, 17

112. Municipal Administration.—The special problems of city government: city planning; streets and parks; lighting; water supply; waste disposal; health; police; fire prevention and protection; education; revenue, expenditure, and debt; public utilities. (Desirable prerequisites: Political Science 110 and 111.)
5 units, summer quarter (COTTRELL) TWThF 8
Summer, 20

113. Administration of Justice.—The principles and methods of administrative and judicial organization and procedure for the enforcement of law—the settlement of controversies, and the conviction and punishment for violation of law. (See Law 259.)
(WHITTIER) [Given in spring 1926; not offered in 1926–27]

114. Foreign Service.—Organization and functions of the Department of State; duties of diplomatic and consular officers; diplomatic usage; negotiation, ratification, and termination of treaties. A limited course; students should consult instructor before enrolling.
3 units, winter quarter (STUART) MTW 9
Winter, 20

115. Colonial Administration.—Colonial expansion and its causes; modern imperialistic expansion of European states; the British self-governing dominions and the crown colonies; French, German, Dutch, and American systems of colonial administration; spheres of influence; mandate system.
3 units, winter quarter (EVANS) TThF 11
Winter, 15

118. Government in Its Relation to Industry.—The effect on governmental problems caused by changes in business organization since the industrial revolution. The *laissez faire* versus the "general welfare" concept of governmental function. Measures needed to make the general welfare concept effective.
5 units, summer quarter (COTTRELL) TWThF 10
Summer, 45

119. Methods of Governmental Research.—The purpose of this course is the direction and training of students in methods of collecting and presenting data in governmental fields. Limited to 12 seniors majoring in Political Science or Economics.
5 units, autumn quarter (COTTRELL) MTWTh 11
Autumn, 7

119a. Quantitative Studies in Politics and Administration.—A course designed for (1) those students interested in the problem of methods in the measurement and analysis of political phenomena; and (2) those who desire practice in quantitative treatment of governmental problems. The class studies the elementary statistical methods appropriate for dealing with administrative problems, with special emphasis upon (1) serviceable methods of gathering primary data; (2) tabulation of such data; (3) their presentation in such form that they may be used by the public for intelligent analysis and comparison. Students may choose problems in the fields of their immediate interest.
2 to 4 units, summer quarter (FEARING) Lec. and Lab. T 2:05–4:05
Summer, 10

121. The League of Nations.—Critical study of the Covenant of the League of Nations; the organization and functions of the League government; the various subordinate governing agencies; the mandated areas; the work of the League of Nations. (Desirable prerequisite: Political Science 15.)
5 units, autumn quarter (STUART) MTWTh 8
Autumn, 30

122. Introduction to International Law.—Nature and scope of international law; rights and duties of states; jurisdiction; nationality; relations of states in peace and war; international law and the League of Nations. An introductory course designed for the general student.
5 units, spring quarter (STUART) MTWTh 9
Spring, 46

123. Current International Politics.—A study of the outstanding political problems resulting from the World War; the fulfillment of the peace treaties; the settlement of the allied debts; present international situation in Europe; the foreign policy of the United States in regard to Europe and Latin America. A course primarily for students interested in preparing for the foreign service.
3 units, winter quarter (ROWELL) M 1
Winter, 119

GRADUATE COURSES

[Open to advanced undergraduates by permission]

201. History of Political Theory.—Development of political thinking from ancient times to the present; Classical period; Medieval period; Renaissance and Reformation; revolution and reaction; the analytical school; the historical school; recent tendencies.
4 units, summer quarter (MIDDLEBUSH) TWThF 9
Summer, 25

202. American Political Theories.—Development of political thinking in America from colonial times to the present day, including the theories of the Revolution, the Constitution, the Jeffersonian and Jacksonian democracies, the slavery controversy, "states' rights," and modern tendencies.
4 units (———) [Given in summer 1925; not offered in 1926–27]

203. Contemporary Political Theory.—A detailed study of the leading political ideas since the middle of the nineteenth century with special reference to the various contemporary doctrines regarding the relation of the state to property and labor—socialism, guild socialism, syndicalism, the social catholic movement, etc.
4 units (———) [Given in spring 1926; not offered in 1926–27]

204. Principles of Politics.—A systematic study of the principles of political science; scope and method of political theory; the nature of the state; the origin and basis of the state; sovereignty; the form of the state; functions of the state.
4 units (———) [Given in summer 1926; not offered in 1926–27]

240. Seminar in Politics.—Topic for 1926–27: Party organization.
2 units, autumn quarter (WEST) By arrangement
Autumn, 8

241. Seminar in Government.—Topic for 1926–27: City Charter Drafting.
2 units, autumn and spring quarters (COTTRELL) By arrangement
Autumn, 7; spring, 1

242. Seminar in International Relations.—Topic for 1926–27: Administrative work of the League of Nations.
2 units, winter quarter (STUART) By arrangement
Winter, 11

244. Social Activities of League.
2 units, winter quarter (STUART) By arrangement
Winter, 8

250. Graduate Seminar.—For candidates for higher degrees.
Spring and summer quarters (COTTRELL) By arrangement
Spring, 3; summer, 1

Courses in public law are given by the Department of Law, which offers the following:

[**Constitutional Law.** Law 225 and 226.]

[**Administrative Law and Public Officers.** Law 227.]

[**Municipal Corporations.** Law 238.]

[**Public International Law.** Law 216.]

[**Judicial Administration.** Law 259.]

The following courses offered by other departments deal very largely with subjects comprised in the field of political science:

[**Roman Political and Municipal Institutions.** Classical Literature C8.]

[**Public Finance.** Economics 110.]

[**English Literature and Political Thought.** English 193.]

[**The Utopian Theme in Literature.** English 197.]

[**Propaganda and Censorship.** History 146.]

[**British Constitutional History.** History 158.]

[**Tropical Colonization in the Far East.** History 167.]

[**Government of Japan.** History 197.]

[**Military Law and Administration.** Military Science 106.]

[**Social Order and the Individual.** Philosophy 104.]

[**Social Psychology.** Psychology 158.]

PSYCHOLOGY

FRANK ANGELL, LILLIEN JANE MARTIN, Professors Emeritus

LEWIS MADISON TERMAN, TRUMAN LEE KELLEY, WALTER RICHARD MILES, EDWARD KELLOGG STRONG, JR., Professors
KARL BÜHLER (University of Vienna), Acting Professor (Summer Quarter)
JOHN EDGAR COOVER, Associate Professor, and Research Fellow in Psychical Research
CALVIN PERRY STONE, Associate Professor
KATE GORDON (University of California, at Los Angeles), Acting Associate Professor (Summer Quarter)
PAUL RANDOLPH FARNSWORTH, MAUD AMANDA MERRILL, Assistant Professors
HELEN MARSHALL, Instructor
MILES ALBERT TINKER, HOMER ELLSWORTH WEAVER, Assistants in Instruction
BARBARA BURKS RAMSPERGER, Research Assistant in the Study of Foster Children
HELEN P. DAVIDSON, Research Fellow on the Buckel Foundation
DORTHA WILLIAMS JENSEN, Research Assistant in the Study of Gifted Children
MILDRED EDITH BURLINGAME, Research Assistant in Animal Behavior
JACK W. DUNLAP, ALBERT KURTZ, FLOYD LEON RUCH, Research Assistants in the Study of Sex Differences in Mental Traits

The courses offered by the Department of Psychology are planned to meet the needs of three groups of students: (1) undergraduate majors in psychology; (2) candidates for the degrees of Master of Arts and Doctor of Philosophy with major or minor in psychology; (3) students who desire a general knowledge of psychology and of its applications.

Degrees of Bachelor of Arts and Master of Arts.—For the Bachelor's degree 45 units of psychology are required, including the following courses: 51, 55, and 60 or 185. It is recommended that students in the Lower Division who plan to major in psychology should take a laboratory science in the freshman year, preferably physics, biology, or physiology. Majors in psychology will ordinarily be expected to take additional courses in science before graduation. The work in psychology should be begun in the sophomore year with Courses 51 and 55. Before the beginning of the junior year students are also expected to take Mathematics 40, or the equivalent.

For the degree of Master of Arts, 45 units of university work are required, including 30 units of psychology in addition to the Bachelor's requirements. Of the 30 units required, 9 to 12 are ordinarily devoted to thesis. Only students whose undergraduate work has been considerably above average quality will be accepted as candidates for the Master's degree in psychology.

The degree of Doctor of Philosophy.—The minimum residence requirement is three years beyond the Bachelor's degree, of which at least one year must be spent at Stanford. Although extensive course work, or its equivalent in independent study, is required, demonstrated ability to do original research is regarded as the most important criterion of fitness for this degree.

Candidates for the Doctor's degree with a major or minor in Psychology are urged to complete their work by the age of thirty-five years. Candidates above the age of forty years will ordinarily not be accepted.

Besides acquiring a fairly broad mastery of the general field of psychology, candidates for the doctorate will be expected to do intensive work in one or more of the following lines: (1) Experimental Psychology (including animal behavior); (2) Educational Psychology (including tests and measurements); (3) Industrial Psychology. A command of statistical methods and a good reading knowledge of French and German should be acquired as early in the student's course as possible. Candidates whose major is in Experimental Psychology will be expected to take a minor or considerable work in one or more of the following sciences: biology, physiology, neurology, physics, or chemistry; those who major in Educational Psychology will ordinarily take a minor in education or in one of the biological sciences; those who major in Industrial Psychology will ordinarily take a minor in business administration, economics, education, or the social sciences.

For additional information regarding advanced degrees, see pages ——

Minor Requirements for Doctor of Philosophy.—Candidates for the degree of Doctor of Philosophy in other departments who elect a minor in Psychology will be expected to complete the equivalent of 45 units of Psychology, of which approximately half shall be of graduate character. The required work is laid out for the candidate in terms of fields to be covered, rather than in terms of courses, and a large measure of freedom is allowed in respect to the manner in which the requirements may be met. (See age limit mentioned above.)

Major for the Teacher's Certificate.—The department offers a major in Psychology for the Teacher's Certificate, but does not offer a teaching minor. The requirement for teaching major is the same as that for the Bachelor's degree in psychology; viz., 45 units.

Laboratories.—Aside from lecture and seminar rooms, offices, and library, the department has a laboratory comprising thirty rooms which are well adapted to experimental purposes. In addition, there is an animal laboratory equipped with common laboratory animals and with suitable apparatus.

Library.—The sum of $600 a year from the Thomas Welton Stanford Fund has been set aside for the purchase of psychological books and periodicals. A reading room is maintained in the department building, in which the leading texts and periodicals are kept.

Fellowships and Assistantships.—The Dr. C. Annette Buckel Foundation, supplemented by additional support from the Board of Trustees of the University, has provided a research fellowship for the psychology and pedagogy of backward children. A research assistantship for the study of gifted children has also been provided. There are two teaching assistantships in general and experimental psychology, and a research assistantship in animal psychology.

Reagents.—A special point is made of trying to provide research students with suitable reagents. Accordingly, all advanced students are expected, when possible, to give a certain amount of time to this purpose.

Laboratory and syllabus fees.—A laboratory fee of $5.00 per quarter is charged for Course 55, 131, and 165. For Courses 135, 188, 189, 203, 210,

and 245 the fee is $3.00 each. For certain other courses a syllabus fee of 50 cents to $2.00 is charged.

51. General Psychology.—Survey of the field of mental life. The point of view, methods, and the experimentally attested facts of the science are presented. The primary emphasis on normal adult psychology and applications to control of human behavior. Animal and abnormal fields are also outlined. Lectures, demonstrations, and exercises. Freshmen, seniors, and graduates may enroll only by special arrangement. Extra work will be required of seniors and graduates.

5 units, autumn, *winter, and *summer quarters
(Miles, Farnsworth, Bühler, Gordon) MTWThF 11
Autumn, 153; winter, 201; summer, 90

53. Psychology of Music.—Résumé of music tests. Survey of some of the art principles underlying music. Lectures, discussion, reports. Prerequisites: Course 51 and interest in music.

4 units, autumn quarter (Farnsworth) MTThF 8
Autumn, 12

54. Psychology of Art.—Experimental literature on color, line, form, rhythm, illusions, stereoscopy, art tests. Theory of rhyme; origin of art behavior; art standards. Lectures, discussion, reports. Prerequisites: Course 51 and interest in art.

3 units (Farnsworth) [Not given in 1926–27]

55. Experimental Psychology.—An elementary laboratory course dealing entirely with human psychology. Emphasis on the application of experimental method to collection and treatment of psychological data. Drill in technique of scientific observation, including introspection, methods of handling simple psychological apparatus. Topics: Sensation, perception, affection, attention, association, and learning. Prerequisite: Credit for or enrollment in Course 51. Course 55*a* should be taken before 55*b*.

4 units, (55*a*) winter quarter; 4 units, (55*b*) spring quarter (Farnsworth)
Winter, 38; spring, 29 MWF 1:05–4:05

60. Introduction to Statistical Methods.—A demonstration and working course in statistical methods. Data resulting from "chance causes" are secured in a class experiment and are subjected to a complete statistical treatment, including: the determination and evaluation of measures of central tendency, dispersion, precision, reliability, and differences between means and between distributions; seriation and plotting, curvefitting; correlation. Theory is discussed in connection with practice. Students provide Kelley's or Rugg's text and a polyphase duplex sliderule (with a B scale). Calculating machines and mathematical tables are available. Some knowledge of algebra is a prerequisite. Course 185 may be substituted for this course.

5 units, spring quarter (Coover) MTWThF 10
Spring, 57

70. The Psychological Study of Biographies.—Typical biographies are studied from the psychological point of view. Prerequisite: Course 51, General Psychology, or the equivalent.

2 units, summer quarter (Gordon) MWF 8
Summer, 11

90. History of Psychical Research.—Lecture course. A canvass of opinion on psychic phenomena is made from the daily press, from the popular magazines, and from professional literature; a detailed study of the more important investigations by psychical researchers is made; canons of evidence and of experimental method are adduced, and the present

status of the various psychic phenomena is defined. The psychology of testimony and the nature of scientific proof are considered in connection with the cases of research chosen for study. Assigned reading, class reports. Prerequisite: Course 51 or a laboratory course in science.
3 units (COOVER) [Not given in 1926–27]

101. Principles of Psychology.—Introduction to psychological concepts and methods of experimentation, with special emphasis upon learning, retention, and individual differences. Applications are made to efficiency in industry, selection and training of employees, reliability of testimony, etc. Registration restricted to students in the Graduate School of Business and the School of Engineering.
3 units, winter quarter (STRONG) MWF 8
Winter, 37

102. Psychological Approach to Business.—Business as a process of adjusting human relations. Relationships of the executive with his subordinates, his co-equals, and his superiors, and with customers, investors, and the general public. Includes the psychology of selling and advertising, determination of what others want, how to meet their demands, and methods of measuring the success of the resulting business policies. Registration restricted to students in the Graduate School of Business and the School of Engineering. Prerequisite: Course 101 or its equivalent.
3 units, spring quarter (STRONG) MWF 8
Spring, 29

110. Perception and Attention.—The topics of perception of space, motion, and time are taken up. Consideration is given to illusion, deception, observation, testimony, and report. The contributions of eidetic and gestalt psychology are reviewed. Lectures and demonstrations. Prerequisite: Course 51.
3 units (MILES) [Not given in 1926–27]

115. Memory and Thought.—The general problem is the retention and use of mental experience. A survey is made of the experimental work on memory, imagination, and the thought processes. Attention is given to such topics as memory systems, feats of memory, types of memory, and eidetic imagery. Lectures and class reports. A written report is required. Prerequisite: Course 51.
3 units, autumn quarter (MILES) MWF 9
Autumn, 22

130. Animal Behavior.—A survey of the experimental studies of animal behavior. Instinct, habit, imitation, retention, transfer of training, etc., will receive detailed consideration. Lectures, demonstrations, recitations, and class reports. Prerequisite: Course 51 or its equivalent.
4 units, autumn quarter (STONE) MWF 10
Autumn, 18

131. Animal Behavior.—A laboratory course devoted primarily to the study of vertebrate animal behavior. A series of minor experiments on congenital behavior, habit formation, neural physiology, etc., is performed by each student. Investigations leading to theses may be undertaken in this course and continued in subsequent quarters. Prerequisite: Course 130.
Summer quarter (STONE) By arrangement
Summer, 3

135. Physiological Psychology, Elementary.—Introduction to the structural foundations of animal and human behavior, with special emphasis on the nervous system and sense organs.
3 units, winter quarter (STONE) TTh 1:05–4
Winter, 7

140. Psychophysical Methods.—A seminar course. Brief review of the development of psychophysical methods; systematic presentation and study of both experimental and mathematical procedures; study of the recognized sources of error in psychological experiments and means of eliminating or measuring them; application of the standard Phi Gamma methods, using Urban's tables, to typical data, usually obtained by the student in his current laboratory work; discussion of the "psychometric function." Titchener's *Quantitative Manual,* Brown and Thompson's *Essentials of Mental Measurement,* and the professional journals are used for reference. A one-unit individual report is required. Prerequisites: Courses 51, 55, and 60 or 185.
3 units, winter quarter (Coover) [Not given in 1926–27]

158. Social Psychology.—Social stimulation and response. Special attention to the relation of psychology to the social sciences. Lectures, discussion, reports. Prerequisite: Course 51.
3 units, spring quarter (Farnsworth) MWF 10
Spring, 50

160. Abnormal Psychology.—The symptomatology of nervous and mental diseases; institutional care and treatment of the insane; and the application of psychological aids in the diagnosis and treatment of mental disorders. Lectures, recitations, clinics, and class reports. Prerequisite: Course 51 or its equivalent (or special permission).
4 units, winter quarter (Stone) MTThF 9
Winter, 38

161. Freudian Psychology.—A survey of the psychoanalytic movement in psychopathology, the techniques of psychoanalysis, and the uses of psychotherapy in education, hygiene, psychology, and medicine. Prerequisite: Course 160 or its equivalent.
2 units, summer quarter (Stone) Th 4:05–6
Summer, 26

165. Educational Psychology, Introductory.—A general elementary course intended primarily for teachers and undergraduate students. Lectures, experiments, demonstrations, class reports. Prerequisite: Course 51 or its equivalent.
6 units, autumn and *summer quarters
Autumn, 35; summer, 23 Lec. (Stone) MWF 11; Lab. (Farnsworth) MWF 1:05–4

170. Mental Deficiency and Delinquency.—A study of mental retardation and its relation to delinquency. Mental traits of the feebleminded; heredity; classification; psychological diagnosis. Prerequisite: Course 51.
3 units, summer quarter (Merrill) MWF 9
Summer, 23

173. Psychology and Treatment of Exceptional Children.—A study of bright and dull children. Prerequisite: Course 51.
3 units (Merrill) [Not given in 1926–27]

175. Psychical Research.—A library research course leading to a typewritten report on any phase of psychical research of special interest to the student. The more authoritative sources are examined by the student. This course may be preparatory to research. No prerequisites; permission to register required.
Autumn, winter, spring, and summer quarters (Coover) By arrangement
Autumn, 9; winter, 13; spring, 26; summer, 4

180. Psychical Research.—A research course offering opportunity for experimental attack upon problems in the field of psychical research for which the laboratory equipment is adequate. Registration by permission.
Winter and spring quarters (Coover) By arrangement
Winter, 4; spring, 1

185. Elementary Statistical Methods.—A study is made of the various kinds of statistical series and the properties of each. The purpose of the first part of the course is to discover what constitutes the significant features of a body of data. Opportunity to obtain practice in the computation of the important constants of distributions is given; also in the use of calculating machines and other aids to computation. The approach is inductive, starting with measures and having as its object the discovery of the statistical resources which are avai.able for making data reveal their story. Psychology 60 may be substituted for this course.

4 units, autumn and *summer quarters (KELLEY, EELLS) MTThF 8
Autumn, 156; summer, 65

188. Mental Tests.—An introductory course dealing with the principles and applications of intelligence tests and of methods of testing personality and character traits. Lectures and demonstrations. Prerequisite: General Psychology. A course in statistical method must accompany or precede.

5 units, summer quarter (MERRILL) MTWThF 11
Summer, 32

189. Intelligence Tests.—An introductory course dealing with the technique of intelligence testing, with emphasis upon Binet procedure. Prerequisites: Courses 51, and 60 or 185.

4 units, autumn quarter (MERRILL) MTWTh 1:05–3:05
Autumn, 8

195. Suggestion.—A seminar. A study of the various phenomena which in the literature are comprehended under the term "suggestion"; the classification of these phenomena according to the psychological principles; the results of research; the relation of suggestion to the subconscious, dissociated, abnormal states of mind. Reading, reports, discussion, a one-unit individual typed report. Prerequisite: 18 or more units of Psychology. Registration by permission.

3 units, spring quarter (COOVER) Th 7:30–9:30 P.M.
Spring, 15

197. Modern Viewpoints in Psychology.—General survey of the viewpoints represented in writings of present-day psychologists. Lectures, discussion, and special reports. Prerequisite: Course 51.

2 units (FARNSWORTH) [Not given in 1926–27]

200. Advanced Human Psychology.

4 units, summer quarter (BÜHLER) MTWTh 9
Summer, 27

202. History of Psychology.—A survey of the development of psychology from ancient to modern times. The various points of view which have been held regarding the mental life are considered, together with the outstanding men and publications. Lectures and class reports. A written report is required. Open to qualified graduates and to senior majors.

3 units, winter and spring quarters (MILES) MWF 10
Winter, 13; spring, 4

203. Experimental Psychology, Advanced.—Laboratory work with human subjects covering a variety of topics, including complex qualitative problems and quantitative investigations. The course is designed to acquaint students with psychological apparatus, instruments, and means of measurement as well as to provide a first-hand opportunity for them to perform some experiments rather intensively. One lecture or conference with prescribed readings and two three-hour laboratory periods. Prerequisite: Psychology 51 and 55; Course 60 or 185 must accompany or precede.

3 units, spring quarter (MILES) [Not given in 1926–27]

205. Physiological Psychology of Action.—In general the conditions favoring and hindering mental and physical work are studied. Metabolic level, food, appetite, fasting, physical and mental fitness, sleep, fatigue, altitude and climatology, ventilation, drugs, and old age are some of the topics considered. The relation of these problems to industrial efficiency is examined. Lectures, demonstrations, class reports, and a written report. Open to qualified graduates and to senior majors.

3 units, spring quarter (MILES) MWF 9
Spring, 28

206. Psychology of Reading and Language.—The various investigations that have been made on the eye movements during reading are critically reviewed. An equipment for the photographic recording of eye movements is used in the work of the class, and the processes of obtaining meaning from the printed page and of expressing meaning in symbols are studied. Lectures, experiments, and written report. Open to qualified graduates.

3 units, summer quarter (MILES) [Not given in 1926–27]

210. The Learning Process.—A laboratory course providing the data and the opportunity for a qualitative and quantitative study of the development of efficiency in various learning situations involving different levels of complexity in materials and mental processes. Special attention to the statistical treatment of results and to graphic presentation, analysis of processes, and the morphology of skill. One hour seminar for discussion and reports of reading, and two laboratory periods weekly. Prerequisites: Courses 51 and 55.

3 units, autumn, winter, and summer quarters (COOVER)
Autumn, 5; winter, 1; summer, 2 Seminar F 1:05; Lab. MW 1:05–4:05

225a. Educational Psychology, Advanced.—Original endowment; mental development; individual differences in relation to heredity, sex, and environment. Lectures, discussion, and class reports. Prerequisite: Courses 51, 55 or 165, and 60 or 185.

4 units, winter quarter (TERMAN) MWF 11
Winter, 14

225b. Educational Psychology, Advanced.—A critical survey of the literature of learning, formal discipline, work and fatigue, with special reference to the school program. Lectures, discussions, and class reports. Prerequisites: Courses 51, 55 or 165, and 60 or 185.

4 units, spring quarter (TERMAN) MWF 11
Spring, 13

226. Educational Psychology, Advanced.—A one-quarter course for advanced graduate students covering the ground indicated under 225*a* and 225*b*.

5 units, summer quarter (TERMAN) MTWThF 10
Summer, 25

230. Association of Ideas.—A seminar. The purpose is to clarify the student's conceptions of the ways in which mental elements are connected or combined or fused. Topics covered include the English "school" of association psychology and its dominance of popular psychology today; results of laboratory research; modern formulations from experimental results; importance to psychology; bearing upon learning and school practice. Assigned reading, reports, discussion, and a one-unit individual typewritten report. Registration by permission.

3 units (COOVER) [Not given in 1926–27]

231. Method of Experiment.—A seminar. An examination of scientific method and its applications to various types of research in experimental psychology; a study of typical researches; applications to present problems; inspection of statistical procedures appropriate to the various types of experimental procedures; consideration of criteria of validity of results. A one-unit typed report is required. Prerequisites: Courses 55 and 60 or 185. Registration by permission.

3 units, winter quarter (COOVER) Th 7:30–9:30 P.M.
Winter, 3

240. Advanced Statistical Methods.—This is a continuation of Course 185 and will deal primarily with series of related measures. The statistical methods of analysis of correlated data and the means of combining several measures into total scores will be treated, with particular application to educational and mental test data and problems. Education 185, or Psychology 60, is a prerequisite.

4 units, winter and *summer quarters (KELLEY) MTThF 8
Winter, 17; summer, 14

241. Advanced Statistical Methods.—This course is a continuation of Course 240. It deals especially with problems in multiple correlation and with the statistical treatment of known linear, skew, and categorical data. Course 240 is a prerequisite. Course alternates with 315.

4 units, summer quarter (KELLEY) By arrangement
Summer, 5

245. Mental Test Practice.—The selection and use of mental tests, with laboratory practice and field work. Important types of tests will be subjected to experiment and critically evaluated. Prerequisites: Courses 60 or 185, 188 or 189, and one laboratory course.

4 units, winter quarter (MERRILL) MTWTh 1:05–3:05
Winter, 9

247. Psychological Clinic.—Field work in juvenile court, mental hygiene clinic, and public school.

Autumn and winter quarters (MERRILL) By arrangement
Autumn, 7; winter, 4

250. Experimental Problems.—A provision for individual laboratory study of some minor problem proposed by the student or suggested by the instructor. A minimum of eight hours per week in the laboratory and a typewritten report are required.

2 units, autumn, winter, and spring quarters (MILES) By arrangement
Autumn, 6; winter, 4; spring, 6

255. Mind and Body.—A seminar course. The problem of the mind-body relationship is first given a brief historical consideration. The psychological postulate of "psychophysical parallelism" is critically examined. The pertinent data of psychology, pathopsychology, and medical practice with mental disorders (including the aphasias) are collected and studied. The phenomena of hypnotism and the dissociation of personality are reviewed, and Freudian psychoanalysis is briefly but critically examined from the standpoint of physiological psychology. A one-unit individual typed report is required. Prerequisite: Course 51.

5 units, spring quarter (COOVER) [Not given in 1926–27]

260. Seminar in Vocational Psychology.—Qualified students are assigned specific problems in the application of psychology to advertising,

selling, vocational guidance, and personnel management. Registration by permission.
Autumn, winter, and spring quarters (STRONG) By arrangement
Autumn, 8; winter, 5; spring, 5

265. Seminar in Psychology of Language.
1 unit, summer quarter (BÜHLER)
Summer, 7

309. Seminar in Educational Psychology.—Registration by permission.
2 units, winter and spring quarters (TERMAN) Alt. Th 7:30–10 P.M.
Winter, 10, spring, 12

310. Seminar.—Problems in mental tests and in the grading and classification of school children. Prerequisites: Courses 60 or 185, and 188 or 189.
2 units, summer quarter (TERMAN) W 3:05–5:05
Summer, 36

311. Current Literature of Experimental Psychology.
1 unit, winter quarter (MILES) W 4:05–5:05
Winter, 6

312. Mental Development.—Seminar course. A critical survey of the most important studies of infancy, childhood, adolescence, and senescence. Intended primarily for major students in psychology or education who are in the second or third year of graduate work. Alternates with Course 313.
2 units, winter and spring quarters (TERMAN) [Not given in 1926–27]

313. Psychology of Endowment.—A seminar and thesis course. Tests of general intelligence, special abilities, character and personality; the psychology of genius; mental inheritance; race differences, etc. Intended primarily for major students of psychology or education who are in the second or third year of graduate work. Alternates with Course 312.
2 units, winter and spring quarters (TERMAN) TTh 11
Winter, 18; spring, 16

315. Psychometry.—Essentially a research course. Attention will be given to the analysis of mentality; to the measurement of interest; of special sensory capacity; and of certain specific habits and skills. The bearing upon problems of guidance will be stressed. Admission by permission of the instructor. Course alternates with 241.
4 units, winter quarter (KELLEY) MW 10
Winter, 6

325. Thesis for Degree of Doctor of Philosophy.—Students in Education or other departments working upon Doctor's dissertations who desire assistance in connection with the definition and handling of statistical problems may enroll in this course upon approval of the instructor. The work is individual and adapted to the student's special problems. Each student is called upon to make a report each quarter upon the statistical phases of his investigation. This course is intended for the special help of students for the Doctorate in Education, or in other departments, whose theses involve statistical procedure, and is not intended to take the place of registration for research work with individual professors.
2 units, summer quarter (KELLEY) By arrangement
Summer, 7 (3 groups)

330. Research and Special.
(DEPARTMENT FACULTY) By arrangement
Autumn, 9 (3 groups); winter, 11 (6 groups); spring, 9 (3 groups)

DIVISION OF SOCIOLOGY

WALTER GREENWOOD BEACH, Professor of Social Science
†MARGARET MULFORD LOTHROP, CHARLES N. REYNOLDS, Instructors

Undergraduate students in the Division of Sociology of the School of Social Sciences, in addition to meeting the requirements of the School of Social Sciences, must take at least thirty units in Sociology. (Economics 101, Labor Problems, may be counted as Sociology for this purpose.)

The courses offered in this Division are listed under the Department of Economics (pp. 52–53).

† Absent on leave, 1926–27.

MUSEUM AND ART GALLERY

LELAND STANFORD JUNIOR MUSEUM

PEDRO J. LEMOS, *Director*

In 1880, Leland Stanford Junior, then eleven years of age, accompanied his parents on a trip through Europe, collecting numerous mementos of the places visited. In 1883, on a second visit, he began to pursue this object more ambitiously, and finally with the idea of establishing a museum. The Leland Stanford Junior Museum was designed by Mrs. Stanford as a memorial to perpetuate this idea, and the various collections are largely her gift to the Museum.

The collection made by Leland Stanford, Jr., between 1880 and 1884 has been placed in two rooms, and in one room his own arrangement is reproduced in a case; in the other room are found mementos of his early life. These two rooms contain especially Egyptian bronzes, Tangara figurines, Greek and Roman glass, armor, mosaics, Sèvres and Dresden ware, and the like.

The Stanford Memorial Room contains collections of personal belongings pertaining to the founders of the University. Added to these are collections connected with the early days of the University, views of buildings in construction, and details of the mosaics used in the Memorial Church.

Another room contains the famous historical relic, "The Governor Stanford," the first locomotive used on the Central Pacific Railroad, in 1864. A group of cases in this room contain collections related to early California history. The center case contains practically all the implements extant of the old Mission Dolores, presented by Don Pablo Vasquez, whose father was the last major-domo of the Mission. Included in the Mission collection are some extremely rare relics of Father Junipero Serra and of the Carmel and Santa Barbara Missions.

The Di Cesnola Collection contains Greek and Roman pottery and glass from the Island of Cyprus.

The American Indian Collection is made up of mound relics, Indian baskets, Indian Pueblo pottery, utensils, Alaskan canoes, totem poles, etc. In this room is also a display of material of the stone age purchased by Mrs. Stanford in Denmark.

The Ikeda Chinese and Japanese Collection, purchased by Mrs. Stanford in 1904, comprises rare art material from the Orient.

In the Chinese and Japanese Room there is exhibited a collection of bronzes, arms, china, lacquer, cabinets, musical instruments, rich embroideries, and specimens of wood-carving; also the famous de Long Collection of Japanese rarities.

The Japanese Collection, purchased by Mrs. Stanford in 1902, consists of cloisonné, Satsuma, porcelain, embroideries, Buddhistic images, and ivory carvings, and includes a large Bronze Koro, over 150 years old. The Corean Collection, the gift of Mr. Timothy Hopkins, contains costumes, household goods, cabinets, screens, etc. Ceramics collected by Mrs. Stanford include Sèvres, Dresden, Royal Berlin, Persian, Pompadour crystal, Bohemian, and numerous other wares.

The Egyptian Room contains: Egyptian stone carvings, alabaster canopias or jars, bronze, wooden, terra-cotta, and glazed statuettes, images, mummies, scarabs, and numberless other emblems, hand-woven linen and Coptic textile color designs, and original portrait paintings taken from mummy cases. This Egyptian material was collected for Mrs. Stanford by the Curator of the Cairo Museum, Emile Brusch Bey, and experted by Dr. Sayce, the noted Egyptologist. This room also contains a case displaying a collection of very old and rare Babylonian tablets.

The upper floor of the Museum contains two large collections of paintings. One of these was collected by Mr. and Mrs. Stanford and includes original paintings of each member of the family, by such artists as Messionier and Bonnat, also original paintings by Benjamin West, Gustave Richter, William Keith, and Thomas Hill. The other collection is loaned by Mr. and Mrs. Timothy Hopkins, and includes paintings by Sir Joshua Reynolds, Josef Israels, and J. J. Henner.

THOMAS WELTON STANFORD ART GALLERY

PEDRO J. LEMOS, *Director*

The Thomas Welton Stanford Art Gallery is composed of four galleries designed for the exhibition of paintings and other works of art.

In the main galleries the collection of paintings donated by Thomas Welton Stanford is placed. Among these are pictures by Minderhout Hobbema, James Giles, R.S.A.; John Frederick Herring, Lienur, Van der Houten, Francis Snyders, W. J. Laidley, David Bates, John Yarley, Julian M. Price, J. W. Ready, William Melby, James E. Meadows, Elijah Walton, F.G.S.; W. Henry, E. Wake Cook, T. R. Miles, Sr., John Glover, Herr Schnars-Alquist, Louis Buvelot, William Hart, William Shiels, R.S.A.; S. Bird, Patrick Nasmyth, Emil Bayard, Gerard Lairesse, C. Wimmer, Salvator Rosa, G. Koken, John Weenix, Bachman, Kobell, Jr., Charles Stuart, Heinrich Rasch, Melchor Hondecooter, Marie Angelica Kaufman, George Earl, G. Guardabassi, E. G. Lewis, and J. W. Curtis.

Two gallaries have been planned for the exhibition of collections of paintings, etchings, and sculpture from eastern and foreign art centers. These exhibitions are announced from time to time as they are received.

LECTURES AND DEBATES

RAYMOND FRED WEST MEMORIAL LECTURES

In 1910 Mr. and Mrs. Fred West, of Seattle, Washington, presented to the University, in memory of their son, Raymond Fred West, a student of the University who died before the completion of his college course, the sum of ten thousand dollars, to be held as a fund in perpetual trust, for the establishment of a lectureship on a plan similar to the Dudleian Lectures at Harvard University.

"It is our wish that such lectures shall not form part of the usual college or university course, nor shall they be delivered by any professor or instructor in active service in the institution. Such lecturer may be a clergyman or a layman, a member of any ecclesiastical organization, or of none, but he should be a man of the highest personal character and of superior intellectual endowment. He shall be chosen by the Faculty and the Board of Trustees of said University in such manner as the said Board of Trustees may determine, but the appointment in any case shall be made at least six months before the delivery of said lectures. . . . . The course of lectures shall be known as the 'Raymond Fred West Memorial Lectures on Immortality, Human Conduct, and Human Destiny.'"

The following general plan has been adopted by the University: The lectures are to be delivered in alternate years; the lecturer is to give at least three lectures; the lectures are to be published in book form within two years after delivery, the lecturer to have the option of publishing them himself, in which case the University will purchase a hundred copies, or of having the University publish them, in which case it will retain the copyright (in any case the manuscript of the lecturer is to be filed in the University archives); the honorarium to be decided in each case by the Board of Trustees, and unless otherwise ordered the entire earnings of the fund for the two years to be devoted to honorariums and to the purpose of publication; the lecturer is to be nominated by the President with the approval of the Advisory Board and the consent and ratification of the Board of Trustees.

These lectures have been given by Charles Edward Jefferson, Samuel McChord Crothers, Hastings Rashdall, Charles Lewis Slattery, John Dewey, Henry Osborn Taylor, Irving Babbitt, Arthur Twining Hadley, and Hugh Black. The general subject of the last series given April 25, 27, and 29, 1927, was "The Adventure of Being Men." The titles of the lectures were "The Adventure of Faith," "What Is Man?" and "If a Man Dies Shall He Live Again?"

DEBATES

Intercollegiate debates, under the auspices of the Associated Students of the University, are held each year with the University of California, the University of Southern California, and other Pacific Coast institutions. In 1925 Stanford entertained the visiting team from Oxford University, and in October 1926 that of the University of Sydney, Australia. For the first time in the history of debating at Stanford, a team was sent East in January

to meet debaters of Harvard, Princeton, and Yale. The University is a member of the Pacific Forensic League, and is usually represented at its annual meeting and extemporaneous contest. Stanford freshmen meet University of California freshmen in dual debate in the winter or spring quarter.

Debate societies within the University are two in number, Euphronia, composed of men, and the Women's Debating Society. These societies carry on debates among their own members, and with similar societies in other institutions in the Bay region. During the past three years, women's debates have been held with the University of California, Mills College, and the University of California at Los Angeles.

STANFORD–AUSTRALIA DEBATE

The debating season opened early, with a debate between Stanford and representatives from the University of Sydney, Australia, on October 13. The question discussed was: "Resolved, That We Have More to Fear Than to Hope from Science." The Sydney team, composed of John R. Godsall (leader), Sydney H. Heathcote, and Noel D. McIntosh, upheld the affirmative against John Duniway (leader), Theodore F. Baer, and Howard Criswell. Dr. Robert E. Swain presided. An audience vote on the question favored the negative.

STANFORD–CALIFORNIA DEBATE

On November 23, in Native Sons Hall, San Francisco, a Stanford team of three men joined with a California team of three men to discuss the question: "Resolved, That This House Favor the Maintenance of the American Plan in San Francisco." Charles Craven Scott, Philip Cavalero, and a California debater upheld the affirmative; while John F. Truman joined with two California speakers in support of the negative. No decision was rendered, but a large audience enthusiastically applauded the various arguments advanced by the speakers. John L. McNab, prominent attorney, presided.

STANFORD–CALIFORNIA WOMEN'S DEBATE

"Resolved, That the Plea of Insanity Should Be Abolished as a Defense in Criminal Cases" was the question discussed by women's teams of the University of California and Stanford University in a dual debate held on the evening of November 30. Helen Carpenter and Marion Holley upheld the affirmative at Stanford. Mildred Crowe and Georgia Finnerty the negative at Berkeley. An audience vote taken before and after the argument showed a slight shift of sentiment toward the affirmative at Stanford, but apparently no change of sentiment at Berkeley.

EASTERN TOUR

Harry R. Turkel, a Senior under the Independent Study Plan, and Frederick Combellack, a Junior, who later in the year won the Joffre Medal, were selected, after a brilliantly contested tryout, to represent Stanford on the forensic platform for the first time in the East. The question used in all the debates was: "Resolved, That We Have More to Fear Than to Hope from Science." On January 4, Stanford defended the affirmative at Bowdoin

College, with a resulting audience decision in favor of the affirmative contention. On the following night, however, debating the same side of the question, they lost a judges' decision to Bates College. On January 6 they met Harvard, upholding the negative of the question, and on January 7 they upheld the affirmative side of the question against Yale. In both contests the Stanford contention was sustained by a decisive vote of the audience. The Princeton debate occurred January 10, Stanford again supporting the affirmative, and being favored by both a judges' and an audience decision. On January 13, Stanford defended the negative against Detroit College, and on the following night upheld the affirmative at Marquette University in Milwaukee. No decision was rendered in the Detroit debate. At Marquette, an audience decision favored the affirmative.

STANFORD-UNIVERSITY OF SOUTHERN CALIFORNIA DEBATE

On February 28, Louis Creveling and Harold Peterson, representing Stanford, met a team from the University of Southern California in the Assembly Hall. The question was: "Resolved, That Mussolini is a Benefactor to Italy." Stanford debated the affirmative. A vote of the audience showed a decided shift in favor of the negative. Two nights later in Los Angeles, Charles Craven Scott and Theodore F. Baer, spoke upon the negative of the question but again the audience vote favored the U.S.C. contention.

MILLS-STANFORD-U.C.L.A. WOMEN'S TRIANGULAR DEBATE

On the evening of March 1, Stanford women debaters met women debaters of the University of California at Los Angeles, and Mills College in a debate on the question: "Resolved, That the Latin-American Policy of the United States Should Be Condemned." Debating in the Little Theatre against U.C.L.A., Rhoda Lewis and Lorraine Reeder upheld the proposition, winning a decision by the audience. Carolyn Converse and Katherine Drew debated the negative at Mills. In this debate there was no decision.

THE MEDAILLE JOFFRE DEBATE

A representative of Stanford University won the Joffre medal for the fifth time in six years when, on the evening of April 14, in the Stanford Assembly Hall, the judges gave the decision to Frederick M. Combellack. Second place was won by Miss Madeleine Lackmann of the University of California. Other speakers were John F. Truman and Beverly McAnear for Stanford and Stuart Strong and Philip Broughton for California. The general question announced in January was "French Problems in Relation to Italy Since the Armistice." The specific question, chosen by Ex-Senator James D. Phelan, and announced to the contestants two hours before the debate, was: "Resolved, That France is Justified in Maintaining a Large Standing Army in View of the Attitude of Italy." Miss Lackmann. Mr. Combellack. Mr. Truman, and Mr. Broughton upheld the affirmative; Mr. Strong and Mr. McAnear upheld the negative.

CRIME PROBLEM DEBATES

A squad composed of William H. Brunner, William H. Levit, Robert A. Hume, Leonard Kirkpatrick, John P. Franklin, Leon Carley, Dan T. Smith, and Gordon Shallenberger, chosen after an elimination tryout, undertook a

study of the general question of crime in America. On April 12, Mr. Hume and Mr. Kirkpatrick debated in San Jose against the University of Nevada, defending the proposition that "Newspaper Reports of Criminal Trials Should Be Censored by the State." On April 7, Mr. Brunner and Mr. Levit upheld the contention against the University of California at Los Angeles that "The Civil Law of Continental Europe Furnishes a Better Means of Handling Criminal Cases than Does the Common Law of England." On April 18, Mr. Franklin and Mr. Carley debated the affirmative of the question: "Resolved, That All States Should Adopt Laws Similar to the Baumes Laws of New York," against the University of Utah. On April 27, Mr. Smith and Mr. Shallenberger upheld the negative of the proposition: "Resolved, That Newspaper Reporters Should Be Barred from the Court Room During the Trial of Criminal Cases," against the California Institute of Technology. These debates were no-decision, except the last one, in which Stanford won a decision of the audience. In the Utah debate speakers were allowed to cross-examine opposing debaters—a device which proved highly successful in this debate.

FRESHMEN DEBATES

The question discussed in the Stanford–California Freshman debate was: "Resolved, That Modern Methods of Commercial Advertising Are Harmful to the Consumer." The affirmative side was taken by Arthur Angel, Virgil Whitaker, and George Bodle, who debated the California team in the Little Theatre April 5, losing a 2 to 1 judges' decision. On April 11, Robert McClintock, Robert Sharp, and Herbert Wenig, upholding the negative, won a 2 to 1 judges' decision over the California team at Berkeley.

DEGREES CONFERRED

([1]October 8, 1926; [2]January 7, 1927; [3]April 1, 1927; June 20, 1927)

BACHELOR OF ARTS

SCHOOL OF BIOLOGY

[3]Lucile Anna Burlingame
[3]Dorothy Annette Fair
Bessie Yeen Jeong
[2]Fred Klyver, Jr.
[2]Amar Dass Matta
[2]Herbert Bing Moy
[2]Frances Robinson Powers
[3]George Channing Richardson
[2]Arbie Margaret Stewart
With distinction

BACTERIOLOGY AND EXPERIMENTAL PATHOLOGY

Thomas Harold Boone
Elizabeth Allen Green
[1]Frances Lawrence
Robert Meily Stoner
Marian Adele White

BOTANY

[3]Chien P'ei
Hsu-Chuan Tuan
[2]Albert Wilson

PHYSIOLOGY

Lewis Thomas Bullock
With distinction
[2]Don Carlos Hines
With great distinction
Reginald Shepard Rood

ZOOLOGY

[1]John Martin Adams
Ray Cook Atkinson
William Edgar Borley
Beulah Dorothy Horr Bower
George Houghton Clark
[3]Donald Hume Fry, Jr.
[1]Delbert O. Haage
William Charles Herrington
With distinction
[1]Robert Walter Hunt
Henry Wise Newman
With distinction
[2]Seymour Purdon Eyre Smith
With great distinction
John Benjamin Steinweden
[3]Alan Cowie Taft

ZOOLOGY: ENTOMOLOGY

Homer Harold Rowland
Robert Russell Rowland

SCHOOL OF EDUCATION

EDUCATION

Cyril John Attwood
With distinction
[1]Robert Allen Catlin
[3]Chang Yu Chang
[3]Ying Yuan Cheng
Vernon Greenwood

[2]Leo Alvil Harris
[1]Sallie Davis Hayden
Adin Douglas Henderson
[1]Guy Holliday
Clarence Irwin
With great distinction
[1]James William Kerr
[1]Bert Lynn Parker
[1]Laura Alice Peocock
Howard Provan
[1]Enid Doris Root
[1]Phillip Justin Rulon
Wilbur David Russell
[1]Walter Charles Schlein
[1]Kenneth Norton Slater
With distinction
[1]Margaret Wear
With great distinction
[2]Gretchen Wulfing
With great distinction

EDUCATION: GRAPHIC ART

[1]Laurence Picknell Canfield
[1]Lottiellen Johnson
With distinction
[3]Barbara Elizabeth Nourse
Charles Bolton White
[3]Florence Sunshine Williams
With distinction

SCHOOL OF ENGINEERING

[3]Sterling Beckwith
Albert Drown Boardman
Ralph Heck Brandt
Allen Derbidge Christensen
With great distinction
Burton Reece Cole
Frank Andrew Compton, Jr.
George Wilbert Conners, Jr.
Albert Moores Dunfee
George Kingdon Fontaine
Andrew Lewis Gillett
Thomas Robert Gillett
Thomas Max Googin
Standish Harold Harrison
Frank Hornkohl
Louis O. Howell
[2]Richard Kapp Hubbard
Cornelius Louis Hughes
Guy Russell King
Hollis Milon Orem
Byron Madison Taylor
Frederick David Thomson
Harrison Tyler Todd
George Sterett Wheaton

CIVIL ENGINEERING

Albert John Bateman
[2]Robert Francis Brown
With distinction
Charles Trunnell Carnahan
[1]Stephen Detzer
Ernest Edwin Garnett, Jr.
With distinction
Albert Burke Goodwin
Nelden Andolf Hagbom
Orville Haven Hart
Phil John King
Hugo Leistner
[3]Stanford McCasland
Leonard Edgar McClintock
Robert Howlett McDonnell
Herbert Henry Neuman
Eugene Wladimir Slitch
Edward Durant Smith
Hieronim Stefanovich Szylko
William DuBois Van de Carr
John Wais, Jr.
With great distinction
Roderick Charles Ward
Roland Henry Wight
Gaëtan Marc Zucco
With distinction

ELECTRICAL ENGINEERING

Frank Riley Abbott
Dudley Elston Chambers
George Garner Green
With distinction
Theodore Louis Lenzen
With great distinction
[3]James Burton McKim
With distinction
Corbett McLean
[2]Gerald Oliver Vaughn
[3]Fletcher Loren Walker, Jr.

MECHANICAL ENGINEERING

Thomas Johnston Ayres
[3]Ellsworth Lansing Barnett
Donald Arthur Bering
Robert Wellington Clark
Leslie Edwin Dobbins
With distinction
Cecil Louis Freedman
With distinction
[3]Otto Hammer
Harley Ambrose Iams
With great distinction
Kenneth Ernest Korn
George Burns McCullough
With distinction
Frank Maytham, Jr.
Stanlus Zoch Natcher
William Alton Ray
Bruce Morgan Richardson
[3]Kenneth Alfred Rogers
[3]John Forrest Sanders
[3]James Hunt Stedman
Arthur Chichester Stewart
With distinction
Lewis Adams Thomas, III
John David VanAmringe
Alfred Virag
Gerald Pryce Windsor, Jr.
[3]John Bairsto Worden

MILITARY SCIENCE AND TACTICS

George Cook Baker
[3]Theodore Criley, Jr.

PRE-MINING CURRICULUM

Thomas Harold Acres
With distinction
Eugene Arnstein
Edgar Brooker
William Henry Kruger Dunbar
Donald Crouch Linton
[2]Manuel Burr Lovelace
Roy Eddy Paine
[3]Thornton Seron Scribner
Jack Wynford Snow

SCHOOL OF LAW

PRE-LEGAL CURRICULUM

[3]Donald Galen Adams
Jack Garner Allen
Chester Richard Andrews
Robert Lewis Beardslee, Jr.
[3]Winston Churchill Black
James McNeal Blackford, III
[3]Earl Clyde Brady
[3]Maywood LaVerne Brockway
[2]Harmon Clifford Brown
Louis Horace Brownstone
With great distinction
William Harold Brunner
Burt Witte Busch
[1]Arthur Graham Butzbach
[3]Carl Wendell Carlsmith
Wallace Daniel Cathcart
[1]Thomas Ayers Condit
Harry Maxwell Conron
Sylvester Clark Cypher
Delmer Lawrence Daves
Philip Charlton Duncan
[2]David Athelstane Fall
[1]Robert Butler Fowler
[1]Clarence Mackay Frazier
[2]Francis Gill
William Anderson Glen
[2]Hugh Harris Griswold
Joseph Rainey Hancock
[3]Edward Everett Hardy
William Henry Horine
[3]Harold Kidwell Hotchkiss
Clarence VanHouden King
[2]Harold George King
Harland Boyd Lane
Richard Elsinger Lang
Edward Delmore Lederman
John Arthur Leiter
Rhoda Valentine Lewis
With great distinction
[3]Malcolm Cutler Little
[2]John Herschel Lyon
James Stephen McCartney
Kenneth Raymond McDougall
With great distinction

Charles Edward Mack
[1]John Erick Mack
Frank Raphael McNamee, Jr.
[1]Thomas Benton McNary
Thomas Sidney Meeks
[1]Douglas Wyman Meservey
Arthur George Miller
[1]Walter Jennings Nelson
[2]Rudolph John Nittler
[2]Walter Henry Odemar
Duncan Oneal
Robert Eliot Paradise
With great distinction
[2]Reginald Byrne Pegram
Harold Willoughby Peterson
With distinction
Thomas Brennan Quinn
[3]Nathan Albert Rhine
Frederick Ingleby Richman
[1]Laurence Martin Ring
[2]Alan Hazelton Robertson
[3]Carl Ernst Rodegerdts
Suren M. Saroyan
Leonard Kelsey Schwartz
Joseph Broadhurst Scudder
[3]George Ewing Sibbett
Stacy H. Smith, Jr.
With distinction
[1]Frances Robin Vaughan
[3]George Frederick Wasson, Jr.
Rolland George Watt
[2]Ralph Kerr Wittenberg
[2]Lester Thompson Wold
Fred Austen Wool
Frank Benjamin Yoakum, Jr.

SCHOOL OF LETTERS

CLASSICAL LITERATURE

George William Creswell
Doris Parker Fee
Wilma Eda Fenner
[3]Carolyn Frances Gooden
With distinction
Winifred Octavia Little
Almon Francis Manspeaker

ENGLISH

Donald Hitt Alden
With distinction
[3]Arden Joseph Allen
[3]Helen Jordan Ames
Dorothy Bowen
Martha Arqués Burnett
[1]William Nicholas Dekker
Madeline Kathryn Doran
With distinction
[3]Margarita Espinosa
[2]Barbara Ann Eubanks
With distinction
Mary Elizabeth Hackendorf
[3]Thorold Aldred Jones
[1]Margaret Loper
[1]Muriel Frances McCutchan
Virginia Kathryn Morris
Helen Eugenia Nelson
Bailey Hayden Newlee, Jr.
Kenneth Marvin Park
With great distinction
[3]Sara Katheryn Peck
Horace Hall Perkins
Agnes Drummond Peters
[2]George Roberts Purnell
Helen Maxine Rittenhouse
Susanne Lydia Weeden
[3]Gordon Harry Williams

ENGLISH: JOURNALISM

Isabel Anna Schanck

ENGLISH: PUBLIC SPEAKING

[3]Evelyn Buckingham Brownell
Velma Margaret Randall
Reidar Bjarne Torjussen

GERMANIC LANGUAGES

Hartley William Devlin
Margaret Ernestine Zimmerli

ROMANCE LANGUAGES

[2]Margaret Eleanor Cosgrave
[3]Beulah Mary Cummings
[1]Robert Castle Davies
Alice Oline Enderud
[3]Aurelio Macedonio Espinosa, Jr.
With great distinction
Robert McKibben Fraser
[2]Helen Adeline Gladding
Carolyn Clapp Grossmann
[3]Lotus Odeal Hargreaves
With distinction
Gertrude Fay Harrison
With great distinction
[2]Leroy Travers Herndon, Jr.
Lois Hesson
[2]Clarita Hunsberger
Louise Christy Irwin
Rosalie Lazard Jacoby
Mary Caroline Leavell
Berneice Marjorie Little
[1]Charles Cornelius Lockett
Lorraine Marie Lorigan
[3]Marie Manchee
Dorothy Copinger Mead
With distinction
Louis Gardner Miller
Charles Carroll Montgomery, Jr.
Edward Philip Moreland
[1]Dorothy Page
With distinction
Barbara Merrihew Perkins
Ruth Esther Sievers
Louis Singer
Lucille Grace Sneider
Una Stafford
Darwin LeOra Teilhet
[3]Dorothy Elizabeth Webster
[2]Louise Ede Wilson

SCHOOL OF MEDICINE

PRE-CLINICAL SCIENCES

Mary-Catherine Baldwin
Willard Elwin Berry
Emil Leland Blumenthal
William Winston Burbank
Marion Carter Collins
Thomas Francis Conroy, Jr.
Alvin Joseph Cox, Jr.
With distinction
Charles Howe Eller
Paul Adrian Exelby
Henry Gibbons, III
Cranston William Holman
William Sandford Howe
Malcolm Nixon Jones
With distinction
Raymond Myer Kay
John Carson McDermott
Robert Chamberlain McNaught
Jesse Wilmot Read
Rollin Robertson Sanders
Verden Giddings Slater
Charles Edward Smith
With great distinction
Bruce Miller Stephens
Charles Francis Sweigert
Henry Webb Thompson
Lee Mitsuyoshi Watanabe

SCHOOL OF PHYSICAL SCIENCES

CHEMISTRY

Harold Steven Anderson
[1]Charles Benninger, Jr.
Robert Elmer Bolton
Clyde Harold Britten
Francis Raymond Cattoir
John Vernon Claes
William Watkins Conner
[1]Clyde Edward Cox
With distinction
Fred Douglas Draper
[2]Monroe Davis Eaton
With great distinction

[3]John Aloysius Fershtand
[3]Theodore Grant Fulmor
[1]Raymond Paul Genereaux
[3]Francis Kinsey Gruss
Michael Lawrence Haider
Lois Field Hallman
[3]Frank Carlyle Harmon
With great distinction
[1]Richard David Husband
[3]Arthur Beers Johnson
Edith Matilda Johnson
With distinction
[3]Chih Kao
[2]Frederick Kellogg
Henry Marshall Leicester
[2]Ronald Verne McCullough
Elmer Allen Messner
With distinction
Montel Montgomery
Howard Wheeler Page
Thomas Palisi
Paul Louis Perovich
[2]Alan Campbell Richardson
Mary Dora Sheffer
With distinction
Loilor Snyder
Frederick Pearce Stapp
[1]Melville P. Steil
Edward Keown Stimpson
Kenneth Clark Strong
[3]Samuel Benson Thomas
With distinction
Samuel Spaulding Todd
Dennistoun Wood, Jr.
With great distinction
Ruth Constance Wooster

GEOLOGY

William Ernest Aitken
Robert Proctor Cannon
Norton Coleman
David LeCount Walpole Evans
John W. Garner
[2]Moses Marion Kornfeld
Carroll Charles McGettigan
Harold Nathan Morris
Leroy Sublette Newland
Philip Wingate Reinhart
William Hord Richardson
John Stephen Schirm
Wayne Mingus Smith
[2]Stephen Gose Waggoner

MATHEMATICS

Homer Garner Barnett
[1]Doris Frances Higgins
With distinction
[1]Herbert Edward Jones
With distinction
[3]Caroline Moore
Marjorie Estelle Pease
Theron Simeon Taber, Jr.
Wanda Westerfield
[2]Louise Merritt Whitaker
Eleanor Marian Willett
[2]Jessie Shirley Wood
[3]Alberta Yearian
[1]Lih Chi Yu

PHYSICS

[1]Chalon Wesley Carnahan
[1]Raymond Carver Perry
[3]Robert Mack Yeatman
With distinction

SCHOOL OF SOCIAL SCIENCES

Harold Emery Blazier
Katharine Boynton
With distinction
Elizabeth Stewart Crebs
Joseph Reynolds Edmiston
James Arnold Habegger
Cora Dorothy Olney
With distinction
[2]Mildred Worswick

SCHOOL OF SOCIAL SCIENCES: JOURNALISM

[1]Frederick Buck
[3]Thomas Douglas Darlington
Barbara Constance Dewlaney
With distinction

[3]Ruth Esther Jordan
With distinction
[3]Francis William Mosher, Jr.
Dudley Tyng Ross
With distinction
[1]Laura Sherman Webb
With distinction
[2]James Charles Wilson

ECONOMICS

[3]Ellis Russell Abbe
Wilbur Forest Adams
Edwin Stanley Anderson
With distinction
Marion Edith Argabrite
With distinction
Robert Edwards Bailard
Gilbert DuBois Ballantine
William Barbee
[1]Edmund Farnsworth Barker
Aileen Marie Beck
[2]Ellis Raney Benson
Edwin Harvey Blum
George Richardson Bogue
Robert Hill Bolman
[3]George Alfred Brock
Stanley LeBaron Burchell
Douglas Erickson Burns
Harrison Gray Otis Chandler
Margaret Bernice Chase
[1]Pauline Wuthrich Churchill
Arthur Harry Colton
John Benjamin Cooper
Robert Henry Cummings
James S. Dailey
Paul Cannell Davis
With distinction
[2]Frank Child Dice
[1]Howard Frederick Diehl
Wallace Kerrick Downey
[2]Albert Paul Drasdo
With distinction
[3]Robert Cahoone Duncan
[1]Jack Marshall Dungan
Richard Martin Edinger
[1]David Kenneth Elliott
William Augustus Evans
Hannon Barker Farr
[2]Felix Howes Farwell
[1]Lucius Ketchum Foote
Floyd Wilson Forker
Donald Eggleston Fritts
George Rodney George
[3]David Dunbar Graves
Kenneth Campbell Graham
Richard Merrill Gregory
Victor Percival Greisser
[3]Ernest Haquette Greppin
[3]Mark Blandell Grimes
Hugh Henderson Hampton
Norman William Hanak
With great distinction
Charles Vendale Harlow
Gerald Myer Hay
[1]Kenneth William Hess
Hammie Haynes Holt
Eugene Hinton Jackson
Bernhardt Mackie Jensen
Merritt Dean Jergins
[2]Frances Alberta Jongeneel
[3]Beryl Monroe Keene
Ross Gladish Kingsbury
With distinction
Jacob Byron Kissinger, Jr.
Paul Lincoln Kleinsorge
With distinction
Kenneth Giles Krohn
[3]Robert Jacob LaRue
Allan Morris Lee
Charles Birk Lefler
[2]John Newmark Levi
[3]Evald Vincent Lindblom
Donald Walker McCarty
Roy Armand McClure
[1]Loveridge Wagner Marsh
Harry Abram Martin, Jr.
James Donald Mathewson
[3]John MacIntosh Menzies
[2]Philip Thomas Meyers
[2]Harold Eugene Miller
Stanley Welch Miller
[3]Carlos Albert Miron, Jr.
[2]Louis Monferino, Jr.
[1]Erwin Gorham Morrison
[2]Kenneth J. Mortsolf
[1]John Grahame Motheral
Dana Sheldon Newkirk
Lionel Edward Ogden
[1]William Henry Parsons
Elizabeth Pattiani
Horace Taylor Peery
Edward Alan Pence

[2]Harry Burnham Perrin
Carol Byer Petersen
Alfred Breed Post, Jr.
Fred Vivian Price
Ralph Donald Ratzell
[1]Thomas Rudolph Rau
James Melvin Ray
Charles Abner Reed
Raymond Max Riese
Henry Flood Robert
[3]Arthur Alan Robinson
Edward Behle Rowles
[3]Leo Aaron Sagal
[3]Gilbert Buff Saunders
[2]Frank Orville Sawyer, Jr.
Myron Reed Schall
[1]Clifford Ernest Schink
With great distinction
[1]Morio Sera
Milam Jefferson Shannon
Spenser Sidney Shattuck
With distinction
[3]Togo Shima
Theodore Edwin Shipkey
Henry Albert Sleeper
[1]Fred Frank Solomon
LeRay Spradling, Jr.
[3]John Young Springer
With great distinction
Kenyon Law Starling
Margaret Stebbins
Carl Bering Stevenson
Walter Atwood Stout
Reuel Robbins Sutton
Jesse Derbert Swift
[3]Nathaniel Millberry Symonds
Edward Cowles Tabler
With great distinction
Chester Richard Tifal
[2]Harold Elworthy Todd
Julius Caesar Trombetta
Frederick Eugene Trotter, Jr.
[3]Walter Witt Tufford
John Andrew Turnbull
[1]Lyall Clymon Vanderburgh
[3]Wilbur Joseph Verplank
With distinction
Carroil Dexter Walker
[3]Edgar Lee Walker
[1]Theodore Mitchell Weil
With distinction
[1]Theodore Weisman
[3]Whiting Welch
Brandon Wentworth
Percy Foster Westerberg
Robert Eldred Williams
[2]Harold Orvis Willson
Thomas Albert Work, Jr.
With distinction
[2]Ralph M. Young
[2]John Alexander Zaches

ECONOMICS: ACCOUNTANCY

Andrews Stanton Halley
With distinction
[3]Dudley Henry Harkleroad
With great distinction
Albert Louis James
Allan Salz Klauber
Richard Wurdeman

ECONOMICS: JOURNALISM

[1]Arthur Grosvenor Duncombe
[2]Florence Rowe Gallagher
With distinction

HISTORY

[3]Astrid Hildegarde Arnoldson
Harold Needham Beck
Phillips Gardner Brooks
[1]Charlotte Hall Brown
Albert Russell Buchanan
With distinction
Elmer Mervin Buttrey
Anita Kathreen Clock
[3]Ruth Charmion Cotton
[2]Wesley Brewster Davison
Hazel Bernice Dillon
[2]Edith Elizabeth Dobbel
Viva MacArthur Drew
Edna Bell Fox
Edward Frank
Robert Arvon Gandy
Inez Katherine Grosfield
[3]Theodore Peter Hansen

Ethel Martin Haydock
Charles Henry Hunter
Audrey Martha Kirkbride
[3]William David Lawrence
With distinction
Stuart Félicien Leete
Maurice Emanuel Leonard
Melzar Mosse Lindsey
[1]Chaston Nelson McClanahan
[3]Gladys Marian McLeod
Margaret Edith McOmie
Louise Sutermeister Merritt
[3]Marcia Ellsworth Morton
With great distinction
[1]Jessie Patrice Nauman
Marion Irene Nicholas
With great distinction
Barbara Sherman Probasco
With great distinction
[2]Charles Washington Rosenbaum
[1]Fillmore Rowles
[3]Margret Schaufelberger
Charles Craven Scott
With distinction
Nellie Louise Shepherd
With distinction
[3]Ethelind Grace Thompson
[3]Shih Ying Tien
[1]Philip Summerfield Urner
With distinction
Elizabeth LaGrange Wilbur
[1]Martel DeOvan Wilson
[2]Kathryn Gross Wisely
Charles Martyn Zipfel

PHILOSOPHY

[3]John Munford Gregory
[3]Byron Harvey, Jr.
Elizabeth Fluhrer McCall
With distinction
George Edward Macon
Rassele Edwards Swarthout
With distinction

POLITICAL SCIENCE

Carl Eardley
[2]Gilbert Robinson Endicott
[1]Wallace Roy Hamilton
Joy Lenette Harris
Kathryn Chase Lunt
[3]Ta Kuei Pan
[1]Newton Merritt Sherman
Edmund Frank Spellacy
[2]Thomas Leland Stock
With great distinction
Masao Matsumoto Suma
With distinction
Joseph Daniel Thomas
With great distinction
Harry Raymond Turkel
With distinction
Ned Ellsworth Wheldon

PSYCHOLOGY

[2]Katherine Moritz Applegate
[1]Siegen Chou
[1]Lois Ida Doe
With distinction
Lovic Pierce Herrington
Verda Irene Hogan
[1]I Huang
Barbara Marx
Barbara Anne Mayer
With great distinction
[3]Ida Belle Squires

BACHELOR OF LAWS

[2]Alden Gerard Graham
Sheldon Spencer Milliken
A.B., Stanford, 1925

MASTER OF ARTS

SCHOOL OF BIOLOGY

[3]William John Meehan
A.B., Stanford, 1926

ANATOMY

Evelyn Howard Miller
A.B., Stanford, 1925

BACTERIOLOGY AND EXPERIMENTAL PATHOLOGY

Helen Viola Brewer
B.S., State College of Washington, 1921

Frances Lawrence
A.B., Stanford 1926

BOTANY

Doris Kell Kildale
A.B., Stanford 1926

Carl Brandt Wolf
A.B., Occidental, 1926

ZOOLOGY

Eleanor Sims Boone
A.B., Mills, 1926

Thomas Knight Chamberlain
B.S., Cornell, 1920

Delbert Otto Haage
A.B., Stanford, 1926

Ludwig Ernest Herz
A.B., Stanford, 1926

[1]Max Walker de Laubenfels
A.B., Oberlin, 1916

Lyttleton Emery Myers, Jr.
A.B., Stanford, 1926

[1]Tsen-Hwang Shaw
B.S., National Southeastern, 1923

[2]Margaret Ogier Wynne
A.B., Stanford, 1908

SCHOOL OF EDUCATION

EDUCATION

Walter Harris Adams
A.B., Abilene Christian, 1925

Gilbert Lee Betts
B.S., McPherson, 1921

[1]Lawrence Bolenbaugh
B.S., Coe, 1925

Merl Edwin Bonney
A.B., Willamette, 1925

[1]John Branigan
B.S., Nebraska, 1915

Harold Nicholas Brown
B.S., Kansas State Teachers College, 1923

[1]Russell Richard Brown
A.B., Western State, 1922

[1]Paul Charles Bryan
A.B., Stanford, 1924

Ernest Edwin Crook
A.B., San Jose State Teachers College, 1926

Edward Eugene Cureton
A.B., San Jose State Teachers College, 1925

Helen Garrison
A.B., Des Moines, 1923

[1]Joseph Travelli Glenn
A.B., Wooster, 1898

Charles Clifford Grover
B.S., Baker, 1908; A.M., Denver, 1916

[1]Karl Snyder Hazeltine
B.S., California, 1914

[1]Ivan Paul Hostetler
B.S., Kansas State Normal, 1919

[1]Charles Lester Littel
A.B., Nebraska, 1912

William Calvin Mathews
A.B., Santa Barbara State Teachers College, 1926

William Edwin Mitchell
A.B., San Jose State Teachers College, 1926

[1]Lewis Lorin Nolin
A.B., State College of Washington, 1913

[1]Howard Hunt Pattee
A.B., Pomona, 1922

[1]Arthur G. Peterson
A.B., College of the Pacific, 1912

Preston Adelbert Richmond
A.B., Idaho, 1919

[1]Ella Louise Roll
A.B., Stanford, 1917

[1]Charles Richard Sattgast
B.S., Illinois, 1923

[3]Frank Barton Smith
B.S., Missouri, 1912

Alva Guy Starr
A.B., Washington, 1922

Merl Cobb Taylor
A.B., New Mexico, 1923

[3]Wallace Matthews Taylor
A.B., College of Idaho, 1915
Joe Henry West
A.B., New Mexico State Teachers College, 1925
[1]John Willard Wilson
A.B., Colorado State Teachers College, 1925
[1]Joseph William Winn
A.B., Fresno State Teachers College, 1923

EDUCATION: GRAPHIC ART

Frieda Barbara Amos
A.B., Nebraska, 1924
[1]Edward McNeil Farmer
A.B., Stanford, 1923
[3]Mabel Ferris McKibbin
A.B., Stanford, 1925
Daniel Marcus Mendelowitz
A.B., Stanford, 1926
[3]Mercèdes Pearce
A.B., Stanford, 1925
Lesda Elizabeth Sayles
A.B., Stanford, 1926

SCHOOL OF ENGINEERING

ELECTRICAL ENGINEERING

Yoshio Satoh
B.Engr., Tokyo Imperial, 1922

SCHOOL OF LETTERS

CLASSICAL LITERATURE

[1]Edna Elizabeth Wachter
A.B., College of the Sacred Heart, 1924

ENGLISH

[2]Anne Délie Bancroft
A.B., Tulane, 1915
[1]Mary Louise Carew
A.B., College of New Rochelle, 1924
Harford Holmes Hays
A.B., Stanford, 1924
Naomi Birdella Jones
A.B., Ohio Wesleyan, 1925
[2]Fannie Louisa Kelton
A.B., Arkansas, 1913
[1]Katherine Kevin
A.B., College of the Sacred Heart, 1924
[1]Emil Alexander Lundkvist
Graduate, Bethel Seminary, Stockholm, 1906
[2]Harriet Rosa-Lee McCausland
A.B., Stanford, 1917
Elizabeth Anne Mason
A.B., Wisconsin, 1925
[1]Frances Bowie Ray
A.B., Washington, 1916
Agnes Elizabeth Regan
A.B., College of the Sacred Heart, 1924
[1]Sara Ann Roberts
A.B., Washington, 1921
[1]Vivian Earle Simrell
A.B., Cornell, 1924
Lois Walker Thompson
A.B., Whitman, 1918
Olive Trudell
A.B., Vassar, 1913
[3]Linda VanNorden
A.B., Stanford, 1924
Cecil Dwight Wright
A.B., Simpson, 1926

ROMANIC LANGUAGES

Hannah Frances Foote
A.B., Stanford, 1926
Edward Fernand Meylan
A.B., Stanford, 1926
[1]Daniel Joseph O'Dooley
A.B., Stanford, 1926
Dorothy Page
A.B., Stanford, 1926
Olga Spirito
A.B., California, Southern Branch, 1926
Lydia Theodora VanHoute
A.B., State College of Washington, 1922
Mary Frances Wildman
A.B., Stanford, 1922

SCHOOL OF MEDICINE

PUBLIC HEALTH AND PREVENTIVE MEDICINE

[1]Laura J. Ihrig
A.B., California, 1924

SCHOOL OF PHYSICAL SCIENCES

CHEMISTRY

[2]Willis Conard Fernelius
A.B., Stanford, 1926

James Broadbent Harker
A.B., Stanford, 1924

[2]Raymond William Norberg
A.B., Stanford, 1925

Benjamin Simon
A.B., Stanford, 1925

Melville P. Steil
A.B., Stanford, 1926

[1]Danella Straup
A.B., Utah, 1923

GEOLOGY

[3]Lon D. Cartwright, Jr.
A.B., Texas, 1924

[1]Arthur Lorenzo Crawford
A.B., Brigham Young, 1924

MATHEMATICS

Doris Frances Higgins
A.B., Stanford, 1926

PHYSICS

Russell Harrison Varian
A.B., Stanford, 1925

Clarence Eberman Weinland
A.B., Stanford, 1926

SCHOOL OF SOCIAL SCIENCES

ECONOMICS

[1]Kathleen Condict Jackson
A.B., Vassar, 1924

ECONOMICS: SOCIOLOGY

Richard Tracy Lapiere
A.B., Stanford, 1926

HISTORY

Mary Virginia Dungan
A.B., Stanford, 1925

[3]Dorothy Evelyn Frazier
A.B., Stanford, 1925

[2]Leta Kirk
A.B., Smith, 1925

[1]Martha Montgomery
A.B., Stanford, 1923

Harley Arthur Notter
A.B., College of Puget Sound, 1925

Clarence Gladden Osborn
A.B., Stanford, 1926

Dominic Salandra
A.B., Reed, 1923

Bernice Brooks Tompkins
A.B., Stanford, 1917

John Duhme Wimmer
A.B., Miami, 1919

PHILOSOPHY

Oscar Fredric Green
A.B., Rice Institute, 1916

Tansai Kiyoshi Terakawa
A.B., College of the Pacific, 1924

POLITICAL SCIENCE

Rachel Elizabeth Crabb
A.B., Montana, 1924
[1]William Leslie Gosslin
A.B., Stanford, 1925
[3]Robert MacDonald Charles Littler
A.B., Stanford, 1925
Robert Edward Rapp
A.B., Stanford, 1926
Alice Emelie Ryckman
A.B., California, Southern Branch, 1926

PSYCHOLOGY

[1]Mary Ann Bell
A.B., Colorado, 1925
Edith Mildred Burlingame
A.B., Stanford, 1925
[1]Mary Louise Casey
A.B., Cornell, 1924
Ed. M., Harvard, 1925
Richard Wellington Husband
A.B., Dartmouth, 1926
Han Kao
A.B., Colorado, 1925
Hope LaDessa MacKenzie
A.B., Oregon, 1922

ENGINEER

CHEMICAL ENGINEERING

[2]Donald K. Harger
A.B., Stanford, 1925
[1]William Maxwell Marker
A.B., Stanford, 1917
Graham Wallace Marks
A.B., Stanford, 1926
[2]Burton Avery Noble
A.B., Stanford, 1925

CIVIL ENGINEERING

[3]Michael Henry Antonacci
A.B., Stanford, 1924

ELECTRICAL ENGINEERING

Frank Dey Beardsley
A.B., Stanford, 1923
Robert Davis Boynton
A.B., Stanford, 1926
Bradley Cozzens
A.B., College of the Pacific, 1925
Earle Adair Crellin
A.B., Stanford, 1911
Mehtab Singh Dua
B.S., California, 1925
Joel Cornish Hertsche, Jr.
A.B., Stanford, 1926
George Edgar Hulstede
A.B., Stanford, 1926
[3]Henry Weldon Nussbaum
B.S., Mississippi A. & M. College, 1924
Alfred Vernon Pering
A.B., Stanford, 1926
James Graham Sharp, Jr.
A.B., Stanford, 1926
Hugh Hildreth Skilling
A.B., Stanford, 1926
Howard Carlisle Smith
A.B., Stanford, 1926
[3]Chi-Tai Tung
B.S., California, 1925
Roy Wilkins
B.S., Kansas State Agricultural, 1909
Gerard Wilson
A.B., Stanford, 1922

MECHANICAL ENGINEERING

Herbert Williams Powers
A.B., Stanford, 1926

MINING AND METALLURGY

Jack Macfarlane Ehrhorn
A.B., Stanford, 1924
Robert Anderson Elgin
A.B., Stanford, 1926

Vincent Wellington Finch
A.B., Stanford, 1926
William Lundblade Hobro
A.B., Stanford, 1926
Victor Julian Minner
A.B., Stanford, 1925
Clifford Sheets Wilson
B.S., Utah, 1910, M.S., 1913

JURIS DOCTOR

Ephraim Adams
A.B., Stanford, 1925
Charles Edward Beardsley
A.B., Stanford, 1925
James Emmet Brenner
Graduate, United States Naval Academy, 1913
Herman Walter Broenkow
A.B., Stanford, 1925
Allan Earle Charles
A.B., Stanford, 1925
Calvin Halsey Conron, Jr.
A.B., Stanford, 1925
Martin Lalor Crimmins, Jr.
A.B., Yale, 1924
David Lloyd Davies
A.B., Stanford, 1925
Chesley McKinley Douglas
A.B., Stanford, 1924
John Cushing Duniway
A.B., Stanford, 1925
William Brownlow Etheridge
A.B., Michigan, 1925
Richard Mathews Fennemore
A.B., Stanford, 1926
Charles Edward Foye
A.B., Stanford, 1925
[3]William Kenneth Galbraith
A.B., Michigan, 1923
Lewis Alberto Gibbons
A.B., Stanford, 1925
[3]Cutler Worthington Halverson
A.B., Stanford, 1925
Harold LeRoy Hjelm
A.B., Stanford, 1925
Ralph Carl Hoeber
A.B., Oregon, 1921, A.M., 1923
[3]Floyd Edward Hoffmann
A.B., Stanford, 1926
Wallace Audrey Hyman
A.B., California, 1924
[3]Fred Kunzel
A.B., Stanford, 1925
Clinton LaTourrette
A.B., Stanford, 1925
Fred Barclay Leeds
A.B., Stanford, 1924
Robert Ernest Lewis
A.B., Stanford, 1926
[1]Carolyn Fromberg Loeb
A.B., Mills, 1923, A.M., 1924
Charles Edward Luckhardt
A.B., Stanford, 1925
[1]Merl Langdon McHenry
A.B., Stanford, 1925
[2]John Cresco McHose
A.B., Stanford, 1925
[1]Ferdinand David Mannoccir, II
A.B., Stanford, 1924
[1]H. Sloane Millspaugh
A.B., Stanford, 1923
[3]Robert Pearce Myers
A.B., Stanford, 1925
[1]Daniel Graves Ridley
A.B., Stanford, 1924
[3]Robert Henry Rinn
A.B., Stanford, 1925
[3]Kalmen Yokum Sapero
A.B., Stanford, 1923
Raymond Theodore Senior
A.B., Stanford, 1925
[3]George Keil Smith
A.B., Stanford, 1925
James Hall Snell
A.B., Stanford, 1925
[1]William Haydn Taylor
A.B., Stanford, 1923
Oscar A. Trippet, II
A.B., Stanford, 1925
[3]Gilbert Collins Wheat
A.B., Stanford, 1925
Paul Theodore Wolf
A.B., Stanford, 1925
William Beatty Wright
A.B., Stanford, 1925

DOCTOR OF MEDICINE

Alden Hay Alexander
A.B., Stanford, 1923
Alfred Carleton Ambler
A.B., Stanford, 1921, A.M., 1923
Leonard Bryan Barnard
A.B., Stanford, 1922
William George Burkhard
A.B., Stanford, 1923

Clarence Irvin Burnett
A.B., Stanford, 1923
Albert Edward Butterfield
A.B., Southern California, 1922
Herbert Richard Crase
A.B., Stanford, 1923
Muriel Emma Edwards
A.B., Stanford, 1921
Kenneth Drake Gardner
A.B., Stanford, 1923
Young D. Hahn
A.B., Stanford, 1923
Donald Eliot King
A.B., Stanford, 1923
Dell Theodore Lundquist
A.B., Stanford, 1922
Rexford William McBride
A.B., Stanford, 1923
Raymond Dean McBurney
A.B., Stanford, 1924
John Harold Mansfeldt
A.B., Stanford, 1923
Carleton Mathewson, Jr.
A.B., Stanford, 1923
Leon Melkonian
A.B., Stanford, 1924
Vaughn H. Mitchell
A.B., Stanford, 1923
William Wise Newman
A.B., Stanford, 1921
Herbert Arthur Niebergall
A.B., Stanford, 1923
Oscar C. Railsback
A.B., Stanford, 1923
Thomas Leonard Sutton
A.B., Stanford, 1921
William Lyon Thomson
A.B., Stanford, 1924
Donald Bertrand Tresidder
A.B., Stanford, 1919
Joseph Charles Vinetz
A.B., Occidental, 1922

DOCTOR OF PHILOSOPHY

SCHOOL OF BIOLOGY

Henriette Gerhards van de Sande Bakhuyzen
University of Utrecht

ANATOMY

Sophie de Aberle
A.B., Stanford, 1923, A.M., 1925

BOTANY

Charles Piper Smith
B.S., Purdue, 1903, A.M., Stanford, 1908

ZOOLOGY

Deogracias Villamarin Villadolid
B.Agr., Philippines, 1919, B.S., 1922, M.S., 1923
[1]Herbert Stetson Warren
B.S., College of the City of New York 1911; A.M., Columbia, 1920

SCHOOL OF EDUCATION

EDUCATION

[3]Frank Allen Balyeat
A.B., Oklahoma, 1911, A.M., 1918
[2]Mary Crowell Burch
B.L., University of California, 1907, M.L., 1908
Harl Roy Douglass
B.S., Missouri, 1915, A.M., 1921
Walter Crosby Eells
A.B., Whitman, 1908; A.M., Chicago, 1911
Milton B. Jensen
B.S., Utah Agricultural, 1924
A.M., Stanford, 1925

[1]Amos Newlove Merrill
B.S., Utah Agricultural, 1896
M.S., Illinois, 1908

[1]Azariah Boody Sias
Ph.B., Rochester, 1903, A.M., 1922

[1]Elmer Hubert Staffelbach
A.B., Stanford, 1924, A.M., 1925

[1]Frank Waters Thomas
A.B., Indiana, 1905; A.M., Illinois, 1910

[1]David L. Zyve
M.S., Grenoble, 1911

SCHOOL OF LETTERS

CLASSICAL LITERATURE

Collice Henry
A.B., California, 1921, A.M., 1922

ENGLISH

[3]Parley A. Christensen
B.S., Utah Agricultural, 1914
A.M., Stanford, 1925

Cordelia Dorothea Crain
A.B., California, 1918, A.M., 1919

Lincoln Lorenz
A.B., Harvard, 1916, A.M., 1920

Margaret Rose Richter
A.B., Stanford, 1917, A.M., 1918

[1]Dorothy Cecelia Schilling
A.B., Stanford, 1921, A.M., 1925

[1]George Pope Shannon
A.B., Vanderbilt, 1917
A.M., Stanford, 1923

ROMANIC LANGUAGES

[1]Ernest Hall Templin
A.B., Stanford, 1921, A.M., 1921

SCHOOL OF PHYSICAL SCIENCES

CHEMISTRY

[1]Elton Fred Cornell
A.B., Stanford, 1923, A.M., 1924

Charles Vinton Hart
B.S., Yale, 1925

Harold Henry Strain
A.B., Stanford, 1923, A.M., 1924

GEOLOGY

George Elbert Ekblaw
A.B., Illinois, 1922, A.M., 1923

[1]Stanley Carrollton Herold
A.B., Stanford, 1909

Marcel E. J. A. H. Touwaide
Ingénieur Civil des Mines, Liége, 1925

MATHEMATICS

Vern James
A.B., Indiana, 1912,
A.M., Columbia, 1916

PHYSICS

[1]William Lyle Allred
A.B., Brigham Young, 1909
A.M., Stanford, 1925

SCHOOL OF SOCIAL SCIENCES

ECONOMICS

Milton Hyrum Harris
A.B., Brigham Young, 1915
A.M., Columbia, 1917

Charles Nathan Reynolds
A.B., Oregon, 1913, A.M., 1921

HISTORY

Robert Cedric Binkley
A.B., Stanford, 1922, A.M., 1924
Esther Caukin
A.B., Mills, 1924; A.M., Stanford, 1925
Oswald Henry Wedel
A.B., Arizona, 1923
A.M., Stanford, 1924

POLITICAL SCIENCE

Luther Harris Evans
A.B., Texas, 1923, A.M., 1924
James Allan Clifford Grant
A.B., Stanford, 1924, A.M., 1925
Charles Hickman Titus
A.B., Stanford, 1920, A.M., 1921
Tsung Hsun Tsui
A.B., Stanford, 1924, A.M., 1925

PSYCHOLOGY

[1]Franklin Smith Fearing
A.B., Stanford, 1923, A.M., 1924
[1]Eugene Shen
A.B., Stanford, 1923, A.M., 1924
Miles Albert Tinker
A.B., Clark, 1921, A.M., 1922
[1]Raymond Royce Willoughby
B.S., Massachusetts Agricultural, 1919
A.M., Stanford, 1923

FELLOWS AND SCHOLARS

([1]Autumn quarter only; [2]winter quarter; [3]spring quarter; [4]summer quarter; [5]all four quarters.)

1926–27

FELLOWS

AMERICAN SMELTING AND REFINING COMPANY FELLOWS

[1]Olie Gaylon Dressler (Chemistry).....Los Angeles
A.B., College of Emporia, 1914; A.M., Stanford, 1926

Houston Letcher (Chemistry).....Palo Alto
B.S., Minnesota, 1924, M.S., 1925

BUCKEL FELLOW IN EDUCATION AND PSYCHOLOGY

Helen P. Davidson.....New Westminster, B.C.
A.B., Stanford, 1924, A.M., 1925

TEACHING FELLOWS IN CHEMISTRY

[5]Robert DuBois.....Kirksville, Missouri
A.B., Carleton, 1918; M.S., Oklahoma Agricultural and Mechanical College, 1919

Charles Vinton Hart.....Los Angeles
B.S., Yale, 1925; Ph.D., Stanford, 1927

CUBBERLEY FELLOWS IN SCHOOL ADMINISTRATION

Edwin John Brown.....Ypsilanti, Michigan
B.S., Kansas State Teachers College, 1922; A.M., Stanford, 1925

James Frederick Bursch.....Palo Alto
B.S., Kansas State Normal, 1920; A.M., Stanford, 1923

FOOD RESEARCH FELLOW

Fred H. Eldred.....Palo Alto
B.S., Occidental College, 1914; A.M., Stanford, 1916

HIGH-VOLTAGE LABORATORY RESEARCH FELLOW

Alexander John Drodjin.....Berdiansk, Russia
Graduate, Institute of Technology, Kharkoff, Ukraine, 1923; Engineer, Stanford, 1926

LIONEL REMOND LENOX FELLOW IN CHEMISTRY

Harold Henry Strain.....Mayfield
A.B., Stanford, 1923, A.M., 1924, Ph.D., 1927

TEACHING FELLOW IN MATHEMATICS

Charles Henry Harrington.....Corona
A.B., Stanford, 1925, A.M., 1925

NATIONAL RESEARCH COUNCIL FELLOWS

[1]Beverley L. Clarke (Chemistry).....Palo Alto
B.S., George Washington, 1921; A.M., Columbia, 1923, Ph.D., 1924

[1]Parker D. Trask (Chemistry).....Stanford University

THOMAS WELTON STANFORD FELLOW IN PSYCHIC RESEARCH

John Edgar Coover.....Stanford University
A.B., Stanford, 1904, A.M., 1905, Ph.D., 1912

STANFORD FELLOWS

Gilbert Thereon Benson (Botany).....Stanford University
A.B., Stanford, 1923, A.M., 1925
Dana Burks, Jr. (Chemistry).....Menlo Heights
A.B., Stanford, 1924, A.M., 1925

TERMAN FELLOW IN THE STUDY OF GIFTED CHILDREN

Dortha Williams Jensen (Psychology).....Mayfield
A.B., Indiana State Normal, 1922

UNIVERSITY FELLOWS

Ebba Dahlin (History).....Seattle, Washington
A.B., Washington, 1919, A.M., 1922
George Elbert Ekblaw (Geology).....Paxton, Illinois
A.B., Illinois, 1922, A.M., 1923; Ph.D., Stanford, 1927
Helen Cherington Farnsworth (Economics).....Menlo Heights
B.S., Ohio State, 1924, A.M., 1924
James A. Clifford Grant (Political Science).....Los Angeles
A.B., Stanford, 1924, A.M., 1925, Ph.D., 1927
Gale Charles Griswold (Chemistry).....Modesto
A.B., Stanford, 1925, A.M., 1926
Cedric Edward Hesthal (Physics).....San Francisco
A.B., Stanford, 1925
Hugh Martin Huffman (Chemistry).....Los Angeles
A.B., Stanford, 1925, A.M., 1926
Donald Alexander Johansen (Botany).....Palo Alto
A.B., Stanford, 1925, A.M., 1926
Marcel Alfred Lissman (Electrical Engineering).....Sacramento
A.B., Stanford, 1925, Engineer, 1926
Richard Hugo Reeve (English).....Oakland
A.B., California, 1926
Danella Straup (Chemistry).....Salt Lake City, Utah
A.B., Utah, 1923; A.M., Stanford, 1926
Marie Johanna Weiss (Mathematics).....Stockton
A.B., Stanford, 1925

SCHOLARS

ALUMNI SCHOLARS

[3]William Sanders (History).....Los Angeles
[3]John Gilhousen Sobieski (Law).....Los Angeles

ALUMNI JORDAN SCHOLARS

Paul Edward Hoffman (Medicine).....San Francisco
A.B., Stanford, 1925
[24]Luther Glynn Price (Medicine).....Kosse, Texas
A.B., Stanford, 1925

BENEVOLENT AND PROTECTIVE ORDER OF ELKS SCHOLARS

Milton Morris Hartman (Lower Division).....San Francisco
Cranston William Holman (Pre-Clinical).....Santa Rosa

BERTHA HYDE BRALY SCHOLAR

Louise Dawes Shedd (Zoölogy).....San Jose

CAP AND GOWN SCHOLAR

Margaret Elizabeth Olsen (Philosophy).....Los Angeles

CIVIL ENGINEERING SCHOLAR

John Wais, Jr. .....Merced
A.B., Stanford, 1927

E. C. CONVERSE SCHOLARS

William Atwal Allen (Lower Division).....San Bernardino
Donald Engelbert Anderson (Lower Division).....Fresno
Jean M. Ballou (Economics).....Los Angeles
Frank Bernard Carroll (Lower Division).....San Jose
Georgia Evelyn Finnerty (Lower Division).....Sacramento
Merven John Garibotto (Lower Division).....Stockton
Malcolm Nixon Jones (Pre-Clinical).....San Bernardino
[1]Alfred S. Lazarus (Lower Division).....Los Angeles
Donald George Marquis (Psychology).....Bellingham, Washington
Mary Evangeline Raney (Lower Division).....Morgan Hill
[3]Virgil Keeble Whitaker (Lower Division).....Los Angeles
Edward Arthur White (History).....Los Angeles
[3]George Archie Wood (Lower Division).....Gooding, Idaho

MABEL HYDE CORY SCHOLAR

Barbara Sherman Probasco (History).....Burlingame
A.B., Stanford, 1927

WILLIAM S. CRANSTON MEMORIAL SCHOLAR

Patricia Etheridge Rhodes (Lower Division).....Vallejo

GEORGE E. CROTHERS LAW SCHOLAR

Douglas Low King (Law).....Palo Alto
A.B., Stanford, 1926

W. J. DICKEY SCHOLARS

Joe Shannon Carroll (Lower Division).....Fresno
Lee M. Watanabe (Pre-Clinical).....Fresno

HENRY G. DODDS SCHOLAR

Hilliard Roy Giffen (Lower Division).....Fowler

ORRIN W. DUNN SCHOLAR

Charles Edward Smith (Pre-Clinical).....Sacramento
A.B., Stanford, 1927

HIRAM C. FISK SCHOLAR

Thomas Edward Drake (History).....Palo Alto

WALTER MASON FIELD SCHOLAR

[3]Annetta Marie Hansen (Social Science: Journalism).....San Jose

FLORENCE HECHT FRIES SCHOLAR

Harold DeLos Chope (Medicine).....San Jose
A.B., Stanford, 1926

GERTRUDE GARDINER SCHOLAR

Irene Lucile Way (Lower Division).....Petaluma

WILMER J. GROSS SCHOLAR

Shigeaki Nishimoto (Lower Division).....Wilmington

WILLIAM F. HERRIN SCHOLAR

Clarence Irwin (Education).....Portland, Oregon
A.B., Stanford, 1927

BRODIE G. HIGLEY SCHOLAR

Douglas R. Fuller (Lower Division).....Stockton

E. W. HOPKINS SCHOLARS

John Arthur Lilly (Lower Division).....Balboa
Ruth Murray Logie (Lower Division).....Phoenix, Arizona
Martha Clift McDowell (Lower Division).....Palo Alto
Robert Starr Northrop, Jr. (Lower Division).....Napa
James Milford Springer (Lower Division).....Los Angeles
Adah Marion Tarbell (Lower Division).....Sacramento

CHARLES ANDREWS HUSTON MEMORIAL SCHOLAR

Robert Lewis Beardslee, Jr. (Law).....Stockton
A.B., Stanford, 1927

IRA S. LILLICK SCHOLAR

Stanley Howell (Law).....Fish Haven, Idaho
A.B., Utah, 1922

MRS. IRA S. LILLICK SCHOLAR

David Lloyd Davies (Law).....Portland, Oregon
A.B., Stanford, 1925, J.D., 1927

ERNEST A. LOVE SCHOLAR

Henry Webb Thompson (Pre-Clinical).....Glendale, Arizona
A.B., Stanford, 1927

MRS. McDOWELL ROBLE CLUB SCHOLAR

Berneice Marjorie Little (Spanish).....Eureka
A.B., Stanford, 1927

MARGARET SIDNEY SCHOLAR

Fleta Hazel Williams (Medicine).....San Francisco
A.B., Stanford, 1920, A.M., 1925

ROBERT S. AND FLORENCE MOORE SCHOLARS

[12]Louis Israel Mandell (Lower Division).....Los Angeles
[3]Edward Stone Shaw (Lower Division).....Palo Alto

PALO ALTO PARENT-TEACHERS ASSOCIATION SCHOLARS

Wayne Echard Jeffers (Lower Division).....Latham, Illinois
John Young Springer (Economics).....Palo Alto
A.B., Stanford, 1927

PALO ALTO PUBLIC SCHOOL SCHOLARS

Albert Russell Buchanan (History).....Palo Alto
A.B., Stanford, 1927
Frederick Kellogg (Chemistry).....Palo Alto
A.B., Stanford, 1927

MAUD HUNTSBERGER PECK SCHOLAR

Philip Hunt Wells (Lower Division).....Pasadena

P.E.O. SCHOLAR OF THE SANTA CLARA DISTRICT

[23]B. Nanelia Siegfried (Lower Division).....Palo Alto

SAN MATEO HIGH SCHOOL REGIONAL SCHOLAR

Clifford Francis Weigle (Lower Division).....Lomita Park

LEON SLOSS SCHOLAR

Arthur Fleming Scotten (Lower Division).....Pasadena

LELAND STANFORD JUNIOR MEMORIAL SCHOLAR

Robert Arthur Hume (Lower Division).....Brookings, S.D.

STANFORD MOTHERS' CLUB SCHOLARS

[3]Maxine Abbott Cushing (Lower Division).....Hollywood
[3]Andrew Lewis Gillett (School of Engineering).....Carmel
A.B., Stanford, 1927
[2]Reidar B. Torjussen (English: Public Speaking).....Medicine Hat, Alta.
A.B., Stanford, 1927

STANFORD RESIDENT ALUMNAE SCHOLAR

Wilma Lois Lambert (Lower Division).....Bellingham, Washington

STANFORD ANONYMOUS SCHOLAR

Roy Armand McClure (Law).....San Bernardino
A.B., Stanford, 1927

STANFORD WOMEN'S CLUB OF SAN FRANCISCO SCHOLAR

Jeannette Snyder (Lower Division).....San Jose

JOHN MAXSON STILLMAN SCHOLAR

Frank Carlyle Harmon (Chemistry).....Santa Clara
A.B., Stanford, 1927

UNIVERSITY GRADUATE SCHOLARS

[23]W. Lyle Allred (Medicine).....Logan, Utah
A.B., Brigham Young, 1909; A.M., Stanford, 1925, Ph.D., 1926

Frederic Wallace Borden (Medicine).....San Francisco
A.B., Stanford, 1925

James Emmet Brenner (Law).....Palo Alto
Graduate, U.S. Naval Academy, 1913; J.D., Stanford, 1927

Leonard Foote Bruml (Medicine).....Palo Alto
A.B., Stanford, 1926

Dana Burks, Jr. (Chemistry).....Menlo Heights
A.B., Stanford, 1924, A.M., 1925

[2]Wilson Craven (Law).....Stanford University
A.B., Stanford, 1925

Leonard Garrard Dobson (Medicine).....Fresno
A.B., Stanford, 1926

Jack Wilbur Dunlap (Psychology).....Manhattan, Kansas
B.S., Kansas State Agricultural, 1924, M.S., 1926

Willis Conard Fernelius (Chemistry).....Ogden, Utah
A.B., Stanford, 1926, A.M., 1927

Valdi Bush Fuendeling (Medicine).....San Francisco
A.B., Stanford, 1924

Laura Flora Garnjobst (Zoölogy).....Salem, Oregon
B.S., Oregon State Agricultural, 1922

[3]Raymond Franklin Hawk (Education).....Cheney, Washington
A.B., DePauw, 1917

Glen Eugene Josephson (English).....Los Angeles
A.B., Illinois College, 1925

Kazuo Kawai (History).....Akashi, Japan
A.B., Stanford, 1926

Doris Kell Kildale (Botany).....Eureka
A.B., Stanford, 1926, A.M., 1927

Albert Paul Krueger (Medicine).....San Francisco
A.B., Stanford, 1925

Mildred Elizabeth Lamb (Economics).....Lawrence, Kansas
A.B., Kansas, 1926

[1]Robert M. C. Littler (Political Science).....Palo Alto
A.B., Stanford, 1925, A.M., 1927

Margaret Deering McDowell (Chemistry).....Palo Alto
A.B., Stanford, 1926

John Adolph Mancini (Civil Engineering).....Hayward
A.B., Stanford, 1926
Donald Carlyon Marshall (Medicine).....Sunnyvale
A.B., Stanford, 1925
[1]Allan James Meadowcroft (Civil Engineering).....Modesto
A.B., Stanford, 1926
Victor Julian Minner (Mining).....Carbondale, Illinois
A.B., Stanford, 1925, Engineer, 1927
Clarence Gladden Osborn (History).....Palo Alto
A.B., Stanford, 1926, A.M., 1927
Robert Edward Rapp (Political Science).....Los Angeles
A.B., Stanford, 1926, A.M., 1927
Robert Edward Reed (Law).....Coeur d'Alene, Idaho
B.S., Idaho, 1926
Alice Emelie Ryckman (Political Science).....Los Angeles
A.B., California, Southern Branch, 1926; A.M., Stanford, 1927
Hubert Dudley Swim (Graduate School of Business).....Twin Falls, Idaho
A.B., Stanford, 1926
Richard Warner VanAlstyne (History).....Hollywood
A.B., Harvard, 1922
John Orren Vaughn (Medicine).....Pasadena
A.B., Stanford, 1924
Lawrence Elbert Webster (Chemistry).....Riverside
A.B., Stanford, 1926
Fred Ames Weller (Law).....Tacoma, Washington
A.B., State College of Washington, 1925
Douglas Merritt Whitaker (School of Biology).....Stanford University
A.B., Stanford, 1926

AWARDS AND PRIZES

COLONIAL DAMES SCHOLARSHIP

Maurice Hermann Mandell (History).....Los Angeles

WILLIAM ROBERTS ECKART PRIZE IN MECHANICAL ENGINEERING

Herbert Williams Powers.....Pacific Grove
A.B., Stanford, 1926, Engineer, 1927

IRENE HARDY PRIZE

James Meredith Hiatt (Law).....Rivera

LOWER DIVISION HONORS

[Awarded on the basis of high scholastic attainment to approximately one-tenth of the students completing Lower Division requirements at the end of the summer, autumn, winter, and spring quarters.]

Helen Marian Adams
Archibald William Allen
Ronald Stone Anderson
William Belcher Ballis
Horace Albert Barker
Page Bradshaw
Philip Graham Caldwell
John Marshall Campbell
Creswell Chapin Cole
Stanley James Cook
Florence Evelyn Cooper
Mary Morris Cox
Robert Durand Edgren
William Kirby Etter
Florence Louisa Fouch
Herbert Leslie Foxworthy
Barbara Frick
Douglas Raymond Fuller
Jeannetta Allen Gatch
Hilliard Roy Giffen
Gordon Hall, Jr.
Joseph Sargent Hall
Abel Stevens Halsted, Jr.
Donald William Hamblin
Milton Morris Hartman
Frank Howlett, Jr.
Robert Arthur Hume
William Irvine
Alfred Edward Jacobs
Charles Richard Kavanaugh
Leonard Henry Kirkpatrick
Marian Leathers Klocksen
Wilma Lois Lambert
Evelyn Bernice Linderholm
Thomas Irwin Lindsay
George Armstrong Longeway
Winifred Louisa McClatchie
Louis Israel Mandell
Edith Antoinette Mattson
Sally Miller
Stewart Kazuichi Nakano
Sidney Winston Norman
Richard Andrew Ogg, Jr.
Templeton Peck
Janet Giles Post
Norman Uriah Pratt
Mary Evangeline Raney
John Snively Reasoner
Lorraine Caroline Reeder
John Philip Roscoe
Frances Geraldine Sanford
Elizabeth Brainerd Sawe
Arthur Fleming Scotten
Leo Shapovalov
Edward Stone Shaw
Allen Shepard
Ruth Elizabeth Silliman
Edwin Harvey Smith
John Calvert Snyder
John Gilhousen Sobieski
Jean Christyn Stewart
Katherine Evelyn Thorpe
Myrtle de Vaux
Edmond Maurice Wagner
Irene Lucile Way
Stewart Way
Clifford Francis Weigle
Phillip Hunt Wells
Catherine Campbell West

DIRECTORY OF STUDENTS

Name; home residence; major subject; status; University residence; postoffice. Postoffice in all cases *Stanford University* except where University residence is followed by initial letter of town ('p' indicates *Palo Alto* postoffice; 'Mayfield-m,' *Mayfield* postoffice, etc.). Street address *Palo Alto* or *Campus* unless otherwise named. The numbers (or letters) in italics after the University address are Stanford University postoffice box numbers (or box letters).

Status.—gr., graduate student; sp., special student. The figures after major subject indicate, first, the number of units of university work completed (and counting toward the 180 units required for graduation), no account being taken of 'deferred,' 'incomplete,' or 'conditioned' work; second, the number of grade points in excess of, or falling short of, the number of registered units ('+20,' in excess; '—20,' deficient). Where two numbers (separated by a point) precede the plus or minus sign, the first indicates the number of units of advanced or other credit to which the grade-point system does not apply; thus, 45·50+10 means that the total credit is 95 units, but that the +10 grade points are based upon the 50 units only.

The superior figure [1] indicates registration for the autumn quarter only; [2] indicates winter quarter only; [3] indicates spring quarter only; [4] indicates summer quarter only; [12] indicates autumn and winter quarters only; [23] indicates winter and spring quarters only; [13] indicates autumn and spring quarters only; [5] indicates autumn, winter, spring, and summer quarters. The asterisk (*) indicates registered *in absentia;* the double dagger (‡) indicates unadjusted standing from other colleges and universities. (Phys. = Physics; Phyl. = Physiology.)

[4]Aase, Esther A. — Oakland — LD ‡ — 362 Roble

[12]Abbe, Ellis Russell — Los Angeles — Econ. 21·161+131 — Alpha Kp.L.-*658*
A.B., Stanford, 1927

[12]Abbott, Cecil Vetus — Stanford Univ. — Econ. gr. — 312 Union
A.B., Stanford, 1926

Abbott, Frank Riley — Hughson — E.E. 90·90+84 — 203 Sequoia-*2761*
A.B., Stanford, 1927

Abbott, May Frances — Reseda — LD 45·47+54 — 333 Roble-*2228*

[4]Abbott, Robert Bisbee — Fresno — Educ. gr. — 234 Union
A.B., California, 1922

[12]de Aberle, Sophie — Stanford University — Anat. gr. — 4 Lasuen-*1122*
A.B., Stanford, 1923, A.M., 1925, Ph.D., 1927

[5]Abraham, Richard Iams — Mayfield — Educ. gr. — 172 Park, M
A.B., Pacific, 1915

[23]Abramson, J. Hilty — Los Angeles — LD 97–5 — Delta Upsilon-*1353*

Acres, Lawrence Hobbs — Los Angeles — Med. gr. — 2402 California, SF-sf
A.B., Stanford, 1926

[23]Acres, T. Harold — Los Angeles — Min. 180+260 — Alpha Sig. Phi-*1357*
A.B., Stanford, 1927

[5]Adams, Claude H. — Tremonton, Utah — Law gr. — Univ. Park-*1201*
B.S., Utah Agricultural, 1923

Adams, David Snell — Woodland — Econ. 129+139 — Kappa Sigma-*1326*

[2]Adams, Donald Galen — Riverside — Law 189+78 — 558 Encina-*1248*
A.B., Stanford, 1927

[134]Adams, Elmore Cox — Palo Alto — Econ. 152+12 — Sigma Chi-*628*

Adams, Ephraim — Turlock — Law gr. — 533 Encina-*1142*
A.B., Stanford, 1925, J.D., 1927

[23]Adams, Helen Marian — Berkeley — LD 63·74+89 — 349 Roble-*2006*

Adams, Henry J., Jr. — Fostoria, Ohio — LD 44–8 — 323 Encina-*2526*

Adams, Herkimer Ernest — San Francisco — LD 57+20 — 19 Encina-*2177*

[5]Adams, James Lyman — Long Beach — Law 163+130 — Delta Kappa Eps.-*O*

[5]Adams, John Martin — Klamath Falls, Ore. — Chem. gr. — 318 Emerson-*1383*
A.B., Stanford, 1926

Adams, John Payson — Oakland — Zoöl. 112+8 — 1527 Waverley-*1828*

[1]Adams, Lawson Sibley — Belvedere — LD 30–18 — Branner
[4]Adams, Lewis Elroy — Burlingame — Educ. gr. — 1027 Chula Vista, B-b
B.S., Simmons, 1911; A.M., California, 1923
Adams, Lewis Nelson — Hoquiam, Wash. — LD 47+20 — 204 Encina-*963*
[13]Adams, Margaret Grace — Los Altos — Ed.G.A. 33·104–3 — 330 Roble-*1616*
[234]Adams, Marvin — Los Altos — Econ. 27·99–12 — 234 Union-*1616*
Adams, Rupert Merlin — Palo Alto — LD sp. 90+33 — 424 Seneca-p
[4]Adams, Ruth Marie — Felicity, Ohio — Pol.S. gr. — 373 Roble
A.B., Miami, 1918
Adams, Trerice Vivian — Riverside — Econ. 34·56–4 — Phi Kap. Sig.-*1306*
Adams, Walter Harris — Abilene, Texas — Educ. gr. — 182 Bryant-*723*
A.B., Abilene Christian College, 1925; A.M., Stanford, 1927
Adams, Wilbur Forest — Sacramento — Econ. 183+54 — 320 Encina-*1324*
A.B., Stanford, 1927
Adelsbach, Cleo Garland — Visalia — Math. 140+160 — 227 Branner-*2275*
Adler, William Milton — Beverly Hills — LD 44+2 — 333 Encina-*542*
[4]Aebli, Ada Florence — San Francisco — LD ‡ — Roble
[4]Agar, Lucy Marsden — Santa Ana — Engl. gr. — Redwood City-Box 83,rc
B.L., California, 1910
Aiken, Douglas Sedgwick — Stanford Univ. — LD 48+0 — Kingscote-*1426*
[4]Ainsworth, John C. — Arcadia — LD — 970 University-p
[4]Aitken, Malcolm Darroch — Mt. View — Educ. gr. — 1070 California, MV-mv
B.S., Montana State, 1922
Aitken, William Ernest — Antofagasta,Chile — Geol. 201+42 — 523 Encina-*527*
A.B., Stanford, 1927
[5]Akama, Teichiro Thomas — Japan — Pre-Med. 105·37+35 — Jap. Club-*598*
[5]Akamatsu, George Taro — Walnut Grove — Zoöl. 113·46+20 — Japanese Club-*598*
[1]Akesson, Harry Nils — Alameda — Pre-Cl. 135· — 565 Hamilton-p
[4]Akey, Donald Kenneth — Fresno — Phys. gr. — 233 Union
A.B., Stanford, 1926
[4]Akright, James Gladstone — Everett, Wash. — Educ. gr. — 1110 Waverley
A.B., Kansas, 1922
Alabaster, John Harlow — Riverside — LD 16·62–12 — Beta Theta Pi-*1335*
Albertson, H. Kendall — Los Angeles — LD 56+10 — 429 Encina-*92*
Aldahl, Joyce E. — Long Beach — Law 119+23 — Delta Upsilon-*1353*
[5]Alden, Donald Hitt — Palo Alto — Engl. gr. — 427 Embarcadero-*3009*
A.B., Stanford, 1927
[12]Alderson, Beryl Jane — Los Angeles — LD 14+13 — 262 Kingsley-*2294*
Aldwell, William Basil — San Mateo — LD 35+1 — 250 Elm, SM-sm
d'Alessio, Wagner Joseph — Sacramento — LD 91+95 — 235 Branner-*2352*
Alexander, Don Mynier — San Diego — LD 36–10 — 303 Encina-*2117*
[234]Alison, E. Lucille — Palo Alto — Pol.S. gr. — 1319 Bryant-p
A.B., Stanford, 1926
[23]Allan, Keith Christie — Berkeley — LD 26–1 — 13 Encina-*2788*
Allderdice, FitzHugh B., Jr. — San Gabriel — LD 29–17 — 13 Encina-*2614*
Allen, Archibald William — Oakland — LD 90+143 — 121 Toyon
Allen, Arden Joseph — Oakland — Engl. gr. — 542 Encina
A.B., Stanford, 1927
Allen ,Edyth Winifred — Palo Alto — Engl.-P.Sp.90·45+36 — 310 Rbl.-*1644*
Allen, Garland Thomas — Pueblo, Colo. — LD 74·76+14 — 118 Toyon-*2546*
[4]Allen, Gerald N. — Glendale — Engl. gr. — 10 Dolores
A.B., Occidental, 1923, A.M., 1924
Allen, Jack Garner — San Bernardino — Law 182+97 — Delta Chi-*1304*
A.B., Stanford, 1927
[5]Allen, James Hamilton — San Francisco — Econ. 115+4 — Sig. Alpha Eps.-*1305*

Allen, Marjorie S.	Los Angeles	Engl. gr.	Chi Omega-*1386*
A.B., Stanford, 1926			
Allen, Thomas Payne	Olympia, Wash.	LD 43+13	208 Encina-*1205*
Allen, William Atwal	San Bernardino	LD 39+6	118 Encina-*973*
Allendorf, Joseph Robert	San Francisco	LD 34–12	210 Encina-*1937*
[12]Alley, Stuart Myron	Stanford Univ.	LD 64+4	Kappa Alpha-*1356*
[4]Allison, Herman Thomas	San Jose	Math. gr.	226 Toyon
A.B., Montana, 1913; A.M., Stanford, 1923			
Allison, Robert William	Sunbury, Ohio	S.Biol. 92·46+6	1550 Webster-p
[34]Allman, William Jacob	San Jose	Educ. gr.	430 S. 5th, SJ-sj
A.B., California, 1923			
Allred, W. Lyle	Logan, Utah	Med. gr.	Menlo Heights-*1452*
A.B., Brigham Young, 1909; A.M., Stanford, 1925, Ph.D., 1926			
[5]Ambrose, Norman W.	Santa Barbara	Law gr.	315 Union-*551*
A.B., Stanford, 1925			
[23]Ames, Elbert Nicholas	San Mateo	Econ. 101–4	Roblar, SM-sm
Ames, Fred William	Phoenix, Ariz.	S.Engr. 90·89+66	511 Encina-*534*
[12]Ames, Helen Jordan	Los Altos	Engl.18·162+103	Kp.Alp.Th.-*1336*
A.B., Stanford, 1927			
[12]Ames, James Henry	Milwaukie, Ore.	LD 21–*22*	Alpha Tau Omega
[5]Amos, Frieda Barbara	Sargent, Nebr.	Ed.G.A. gr.	7 Alvarado-*2414*
A.B., Nebraska, 1924; A.M., Stanford, 1927			
Anderson, Albert Loutrel	San Francisco	LD 94–2	Theta Xi-*1355*
[5]Anderson, Carl William	San Mateo	Law gr.	Theta Chi-*1383*
A.B., Stanford, 1926			
Anderson, Clifford H.	Minneapolis, Minn.	S.Bus. gr.	Theta Xi-*1355*
B.S., Minnesota, 1926			
Anderson, Donald Engelbert	Fresno	LD 45+10	203 Encina-*1182*
[23]Anderson, Edward W.	Long Beach	Econ. 126+8	Delta Kappa Epsilon
Anderson, Edwin Stanley	Jackson, Mont.	Econ. 132·49+74	563 Addison-p
A.B., Stanford, 1927			
[4]Anderson, George K.	San Bernardino	Educ. ‡	201 Oak
Anderson, George Kvelve, Jr.	Hollywood	LD 82+0	122 Toyon-*835*
Anderson, Harold Steven	Anaheim	Chem.135·85+63	Sig.Al.Eps.-*1305*
A.B., Stanford, 1927			
[4]Anderson, Kenneth George	San Pedro	LD	118 Encina
[4]Anderson, Ralph Walker	Oakland	Educ. ‡	Lagunita Drive
Anderson, Ronald Stone	Palo Alto	LD 92+118	Parkinson-Box 9c, p
[18]Andreini, George Leslie	Redwood City	S.Biol.75·18–12	426Webster,RC-rc
Andrews, California Prior	San Francisco	Span. 45·90+113	246 Roble-*1552*
[5]Andrews, Carroll B.	San Fernando	Pre-Med.135·31+40	119Toyon-*533*
Andrews, Chester Richard	Palo Alto	Law 181+104	1151 Fulton-p
A.B., Stanford, 1927			
[4]Andrews, Clara Duncan	Dos Palos	Hist. gr.	Roble
B.S., Oregon Agricultural, 1895			
[27]Andrews, Harry H.	Los Angeles	Econ. 87–31	Theta Xi-*1355*
Andrews, John Norman	Mayfield	LD 89+40	441 California, M-m
[5]Andrews, Lewis Willett	Los Angeles	Law 133+2	Beta Theta Pi-*1335*
Andrews, Russell Phillips	Palo Alto	Engl. 111·37+0	423 Pope-p
Angel, Arthur Desko	Pomona	LD 49+33	325 Encina-*2517*
Ankelé, Carl Louis	San Francisco	Bact. 145+21	Chi Psi-*1648*
[4]Annable, June Ellen	South Pasadena	Educ. gr.	Roble
A.B., Pomona, 1925			
Annand, Percy Nicol	San Mateo	Zoöl. gr.	123 Ellsworth, SM-sm
B.S., Colorado Agricultural, 1920; A.M., Stanford, 1922			

[4]Anspach, Eldred Vernon	Taft	Chem. gr.	Toyon
B.S., New Mexico, 1913			
Antonell, Emil Brackett	Florence, Ariz.	LD 11·70+7	Kappa Sigma-*1326*
Applegarth, Norman William	Palo Alto	Soc.S. 81·45+51	465 Hamilton-p
[1]Applegate, Katherine	Walla Walla, Wash.	Psych. 62·118+97	Roble-*1632*
A.B., Stanford, 1927			
[1]Arata, Stephen	Stockton	LD 102+25	26 Branner
Argabrite, Marion Edith	Ventura	Econ. 8·172+150	Chi Omega-*1386*
A.B., Stanford, 1927			
Arkush, Albert Samuel	San Francisco	Med. gr.	2273 Post, SF-sf
A.B., Stanford, 1925			
[13]Armes, Jean Marie	San Francisco	LD 37–7	Alpha Phi-*1387*
Armfield, John Shirley	Woodland	S.Engr. 137+219	214 Sequoia-*133*
[12]Armitage, Richard B.	Yakima, Wash.	LD 60·46+20	Delta Chi-*1304*
[1]Armour, Merrill Augustus	Long Beach	Law gr.	113 Encina-*1384*
A.B., Stanford, 1926			
Armstrong, Edward Dow	Hercules	LD 78–7	131 Toyon-*2134*
Armstrong, Ellis Brotton	Fortuna	M.E. 137+120	531 Encina-*592*
Armstrong, Jerome G.	San Bernardino	LD 83+11	Kappa Sigma-*1326*
[4]Armstrong, MacDougall	Fortuna	LD	137 Encina-*592*
[4]Arnold, Flossie Lee	Bunceton, Mo.	Bact. gr.	204 Roble
B.S., Central Missouri State Teachers College, 1923			
Arnoldson, Astrid L. H.	Missoula, Mont.	Hist. gr.	Manzanita-*738*
A.B., Stanford, 1927			
[12]Arnstein, Eugene	San Francisco	Min. 185+138	218 Branner-*1871*
A.B., Stanford, 1927			
[124]Arnstein, Richard	San Francisco	LD 63+0	230 Branner-*1871*
[5]Arthur, James Leland	Clovis	Geol. 178+56	315 Everett-p
[5]Artman, Corwin Walter	Long Beach	LD 72+44	Phi Kappa Psi-*1333*
Asakura, Takazumi Taki	Santa Barbara	Econ. 90·35–9	Japanese Club-*598*
[4]Asbury, Francis, Jr.	Long Beach	LD	138 Encina
Ashby, Waldo	Oakland	LD 86+7	Kappa Sigma-*1326*
[23]Ashford, Guy Willard	Wayne, Nebr.	Pol.S. gr.	948 Ramona-p
A.B., Wayne (Nebr.) State Teachers College, 1926			
[4]Atcheson, Douglas	Berkeley	LD	126 Encina
[12]Atkinson, Arthur Wellesley	Long Beach	Engl. 131·29+22	550 Palo Alto-p
Atkinson, Ray Cook	San Francisco	Zoöl.-Med.203+140	326 Un'n-*2293*
A.B., Stanford, 1927			
[5]Attwood, Cyril John	Centerville	Educ. gr.	105 Branner
A.B., Stanford, 1927			
[3]Atwill, John Richard, Jr.	San Gabriel	Hist. 117·15–1	443 Kipling-p
[4]Atwood, Alice Goldthwaite	Pasadena	S.Biol. gr.	625 Hamilton-p
A.B., Pomona, 1925			
[5]Aurand, A. Raymond	Barrington, Ill.	Educ. gr.	330 Waverley-*2231*
A.B., Western Union, 1924			
Austin, Frederick Lautz	Santa Monica	Hist. 112+56	850 Palo Alto-*615*
Avary, Hugh	Oakland	LD 46–8	140 Encina-*2015*
[3]Avery, Paul Hamilton	Grossmont	S.Engr.114·15+8	Mn.Pk.-Bx46,mp
[4]Avilla, Leonard Ray	Hughson	Law gr.	114 Encina-*856*
A.B., Stanford, 1925			
§Axton, Henry K.	Piedmont	S.Engr. 98·26+17	405 Kipling-p
Ayars, Robert Needham	Glendale	LD 45+44	330 Encina-*2034*
Ayers, Dallas Waldo	Modesto	S.Engr. 90·44+9	307 Sequoia

§ Deceased August 5, 1927.

[3]Ayres, Elliott H.	Palo Alto	Econ. 10·150+98	826 Homer-*145*
Ayres, Thomas Johnston A.B., Stanford, 1927	San Diego	M.E. 94·90+85	215 Sequoia-*713*
[234]Ayyar, T. V. Ramakrishna A.B., Madras, 1894	South India	Zoöl. gr.	555 Encina
[5]Azevedo, Joseph Leo	Palo Alto	Pre-Med. 66·60–2	345 High-p
[1]Babcock, Clyde A.B., Stanford, 1926	Colorado Springs, Colo.	Law gr.	258 Atherton-*2018*
Babcock, Lawrence T.	Billings, Mont.	Law 165+30	Beta Theta Pi-*1335*
Babson, Edmund Chapman	Portland, Ore.	LD 51+63	228 Encina-*2255*
[14]Backman, Ralph V. A.B., Utah, 1926	Salt Lake City, Utah	Phil. gr.	514 Encina
Bacon, Harold Maile	Los Angeles	Math. 142+223	106 Branner-*1144*
[4]Bacon, John William	San Diego	LD ‡	105 Encina
Badcon, Sidney Dee	Ogden, Utah	LD 90+32	160 Kellogg-*2821*
[5]Bader, Glenn Ernest	Long Beach	Geol. 78·88+109	2 Mirada-*2527*
[4]Badgley, Herbert Harland A.B., Montana, 1923	Billings, Mont.	Educ. gr.	Stanford Univ.
Baer, Lewis Schwarzschild	San Francisco	LD 54+3	224 Encina-*2345*
[5]Baer, Theodore F.	Salt Lake City, Utah	Econ. 172+41	245 Branner-*1721*
[3]Bagley, Francis Edgar	Menlo Park	Psych.69·66+55	Mn.Pk.-Bx583,mp
Bailard, Robert Edwards A.B., Stanford, 1927	Carpinteria	Econ. 180+27	112 Toyon-*2668*
Bailey, Babette Frances	Sacramento	Psych. 107+58	Gam.Phi Beta-*1337*
[4]Bailey, Elba Norse B.S., California, 1918	Los Angeles	Educ. gr.	319 Union
Bailey, Helen Elizabeth	Hollywood	LD 47+67	150 Roble-*2802*
[5]Bailey, Thomas Andrew A.B., Stanford, 1924, A.M., 1925	San Jose	Hist. gr.	319 Union-*1096*
[23]Baird, J. Malcolm	Fresno	Soc.S.-Jn. 90·31+14	Walnut-*2676*
Bairos, Cyril Anthony	Pleasanton	LD 95+72	104 Branner-*2372*
[3]Baker, George C. A.B., Stanford, 1927	Honolulu, T.H.	Mil.S. 10·170+15	626 Forest-*1357*
Baker, Gertrude	Home, Ore.	Psych. 143+137	319 Roble-*2*
[4]Baker, Howard Wilson, Jr. A.B., Whittier, 1923	Lindsay	Engl. gr.	206 Union
[5]Baker, Hugh Cheney	Brentwood	Engl. 90·43+24	28 Branner-*135*
[4]Baker, Jocelyn LeClair	Los Angeles	LD ‡	344 Roble
Baker, R. Frank	Osage, Iowa	Law 133+133	Alpha Sig. Phi-*1357*
Baker, William Archie	San Mateo	Pre-Med. 100+2	Phi Sig. Kap.-*538*
Baker, William Ray, Jr.	Los Angeles	Phil. 126+12	Delta Upsilon-*1353*
Bakewell, Elizabeth	Santa Barbara	Engl. 137+145	108 Roble-*1256*
Bakhuyzen, Henriette F. Ph.D., Stanford, 1927	Menlo Heights	S.Biol. gr.	Menlo Heights-*1462*
Balcomb, Jean Bart	Palo Alto	LD 45·76+6	335 Everett-p
Baldwin, Mary-Catherine A.B., Stanford, 1927	Riverside	Pre-Cl. 49·151+121	302 Roble-*2375*
[5]Baldwin, Paul M.	Bakersfield	Bact. 49·101+20	629 Emerson-*2261*
[4]Balensiefer, Lillian Anita	San Francisco	Engl. ‡	535 Cowper-p
Ball, George Francis	Fresno	LD 24·46+32	216 Encina-*2215*
[1]Ball, Harvey B.	Palo Alto	LD 14–27	265 Channing-p
[4]Ball, Horace Greeley A.B., Southern California, 1926	Los Angeles	Law gr.	Kingscote
[4]Ball, Mary Adelaide A.B., Denver, 1912	Sacramento	Educ. gr.	1 San Juan

Ballagh, Ehrnest Ellsworth, Jr.	Maricopa	LD 38+2	207 Encina-*3028*
Ballantine, Gilbert DuBois A.B., Stanford, 1927	Los Angeles	Econ. 95·85+7	Theta Del.Chi-*1828*
[4]Ballif, Serge C. A.B., Brigham Young, 1927	Preston, Idaho	Fr. gr.	265 Coleridge-p
Ballis, William Belcher	Portland, Ore.	LD 90+119	124 Toyon
[5]Ballou, Jean	Los Angeles	Econ. 56·98+119	535 Encina-*1851*
[12]Balyeat, Frank Allen A.B., Oklahoma, 1911, A.M., 1918; Ph.D., Stanford, 1927	Palo Alto	Educ. gr.	629 Kingsley-p
[1]Bambauer, Marion Adeline	Pacific Grove	Engl. 90·	212 Roble-*933*
[23]Bancroft, Anne J.	Walnut Creek	LD 107–13	Kap. Alpha Theta-*1336*
[5]Bancroft, Martin Flaherty	Walnut Creek	LD 68+37	Kappa Sigma-*1326*
[5]Banks, Overton Barnes	Overton, Tex.	Geol. 90·51+24	Theta Chi-*1094*
[12]Bannerman, William C.	Palo Alto	Econ. 46·24+5	401 Lytton-p
[4]Banta, Donald Marion A.B., Spokane, 1920; M.S., Idaho, 1925	Spokane, Wash.	Engl. gr.	Ramona Hotel-p
Barbee, William A.B., Stanford, 1927	Pratt, Kans.	Econ. 180+63	Alpha Sig. Phi-*1357*
[5]Barbour, Jack Meux	Fresno	LD 36–9	125 Encina-*1168*
Bardin, Jim Gordon	Salinas	LD 45+8	124 Encina-*2544*
Bardin, William Joseph	Salinas	LD 47+80	124 Encina-*2544*
[4]Barker, C. Omar, Jr.	Banning	Econ. 8–14	121 Encina
Barker, Harry Edwin	Ventura	LD 92+52	403 Sequoia-*532*
Barker, Horace Albert	Palo Alto	LD 90+141	633 Hamilton-p
[2'14]Barker, Roger G.	Palo Alto	Psych. 24·103+89	208 Escobita-p
[5]Barker, Wallace Woodward A.B., Harvard, 1905	Palo Alto	Fr. gr.	524 Middlefield-p
[28]Barks, William George, Jr.	Monrovia	LD 26+0	126 Encina-*596*
Barley, Charles Victor A.B., Stanford, 1924	San Francisco	Med. gr.	2249 Webster, SF-sf
[4]Barmore, Mark Alfred A.B., Whittier, 1927	Whittier	Chem. gr.	206 Union
Barmore, Merrill Gorr A.B., Whittier, 1925	Whittier	Med. gr.	2350 California, SF-sf
Barnes, Paul Stanton	New York, N.Y.	LD 41–2	27 Encina-*2123*
[124]Barnes, Thomas Reed A.B., Stanford, 1926	Fellows	Min. gr.	540 Encina-*1923*
Barnett, Blanch Ellen	Phoenix, Ariz.	LD 96+140	Gamma Phi Beta-*1337*
Barnett, Edwin Dwight A.B., Stanford, 1921	Santa Rosa	Med. gr.	Lane Hospital, SF-sf
[12]Barnett, Ellsworth Lansing A.B., Stanford, 1927	Santa Rosa	M.E. 194+113	Alpha Kappa L.-*658*
Barnett, Homer G. A.B., Stanford, 1927	Los Angeles	Math. 180+117	137 Toyon-*1017*
Barnett, Thomas C.	San Jose	Ed.G.A. 84+25	-*686*
[12]Barr, Charles H.	Astoria, Ore.	LD 28–28	109 Encina-*1259*
Barr, James Adam, Jr.	Berkeley	LD 49+54	326 Encina
[4]Barraclough, George O.	Los Angeles	LD	110 Encina
Barrett, Dallas Leslie A.B., Stanford, 1923	Long Beach	Law gr.	1832 Cowper-p
Barrett, Fenton Avery	Long Beach	LD 102+32	Kappa Sigma-*1326*
Barry, John Evarts	Los Angeles	LD 90+17	Phi Delta Theta-*1334*
Barstow, Mary Rhodes	Alhambra	LD 91+50	Kappa Kap. Gam.-*1354*
[4]Bartlett, Isabel Georgina A.B., College of the Sacred Heart, 1918	Menlo Park	Fr.gr.	Conv.Sacred Heart,MP-mp

[3]Bartlett, John C. Berkeley LD 56–4 659 Middlefield-p
[5]Barton, Bernard Hollywood Chem. gr. 314 Sequoia-*1672*
A.B., Stanford, 1926
Barton, Max Wilfred Covelo LD 21·54–2 445 Hamilton-p
[5]Bashor, Elias Harold Burlingame Hist.gr. 721 Linden,Burlingame-b
A.B., Harvard, 1916; A.M., Stanford, 1926
Bassett, William Albert, Jr. Los Angeles Law 141+39 County Road-*1213*
[23]Bateman, Albert John Palo Alto C.E. 183+123 189 Cowper-p
A.B., Stanford, 1927
[4]Bates, Ella Louise Los Angeles Educ. 100·17+20 Pacific Grove-pg
Batson, Thomas Allen Wayzata, Minn. LD 41–4 400 Encina-*516*
[13]Bauer, Paul Harold Champaign, Ill. Econ. 110·30+10 335 Union-*2484*
[1]Baum, Robert Frederick Redwood City S.Engr.89–15 126 Warwick,RC-rc
[4]Bauman, Frank A. Palo Alto Educ. gr. 850 Palo Alto-p
A.B., Olivet, 1914
[12]Baumeister, Carl Jack Chicago, Ill. Chem. 3·115+44 560 Encina
[12]Baxter, Cleland F. Upland LD 107–*22* Beta Theta Pi-*1335*
Bayer, Léona Mayer San Francisco Med. gr. 2211 Clay, SF-sf
A.B., Stanford, 1923
Bayer, Nicholas Serge San Francisco LD 44–3 627 Emerson-*56*
[4]Beach, Rofena San Jose Cl.Lit. gr. Pi Beta Phi
A.B., Stanford, 1917
[4]Bean, Clara Bills Redwood City Educ.‡ 100 Duane, RC-rc
[1]Beard, John Winter San Pedro LD 77–9 Phi Kappa Psi-*1333*
Beardslee, Robert Lewis Stockton Law 180+201 215 Branner-*1468*
A.B., Stanford, 1927
Beardsley, Charles Edward Los Angeles Law gr. 947 Webster-p
A.B., Stanford, 1925, J.D., 1927
Beattie, Clay Hathaway Covina LD 39+15 416 Encina-*2792*
[24]Beaumont, Henry The Hague, Holland Psych.‡15+15 115 Alma
Beck, Aileen Marie Petaluma Econ.22·158+100 Kp.Alp.Th.-*1336*
A.B., Stanford, 1927
Beck, Harold Needham Centerville, Iowa Hist. 135·47+14 409 Encina-*1272*
A.B., Stanford, 1927
[4]Beck, John J. Berkeley Law gr. 6 Lasuen
B.S., California, 1913
*[12]Beckett, Samuel Hume Davis C.E. gr. University Farm, Davis-d
B.S., California, 1909
Beckwith, Dorothy M. Minneapolis, Minn. Span. 91·49+20 369 Roble-*1516*
[12]Beckwith, Sterling Pasadena S.Engr. 182+115 250 Toyon-*1468*
A.B., Stanford, 1927
[4]Beeman, Howard Dean Woodland LD 139 Encina
Beemer, H. Lawrence Santa Maria LD 90–7 Delta Tau Delta-*1363*
[12]Beer, Kenneth Verrender S.Lake City,U. S.Bus. gr. 512 Encina-*917*
A.B., Stanford, 1926
Beeson, Albert Cummins Evanston, Ill. Econ. 88·38–1 Theta Chi-*1383*
Behle, Calvin A. Salt Lake City, Utah Law 137+53 Alpha Tau Ome.-*1384*
[234]Behlow, Charles John San Francisco Econ. 157+20 310 Sequoia-*1067*
Behnke, Albert Richard, Jr. Rivera Med. gr. S.Francisco Hosp.,SF-sf
A.B., Whittier, 1925
[4]Behnke, Herbert Adolph Rivera Hist.‡ 205 Union
[1]Belcher, Stanley Smith Marysville Hist. 29·141–25 Kap. Sig.-*1326*
[5]Belenky, Lucas V. Palo Alto Econ. 90·84–4 1431 Waverley-p
Bell, Danily Clarence San Anselmo LD 70+37 Chi Psi-*1648*
Bell, Helen Elizabeth Los Angeles LD 96+85 Kap.Alpha Theta-*1336*

[4]Bell, Hugh M. Rickreall, Ore. Psych. gr. 219 Ramona-p
A.B., Willamette, 1926
[4]Bell, Jean Herriot Pioneer, Ore. Educ. gr. Roble
A.B., Oregon, 1917
[4]Bell, Mary Ann Denver, Colo. Psych. gr. Madroño
A.B., Colorado, 1925; A.M., Stanford, 1926
[4]Bell, Reginald Palo Alto Educ. gr. 435 Coleridge-*3009*
A.B., Oberlin, 1916
Bell, Robert Henry Pecos, Texas LD 44+21 221 Encina-*1250*
Bellows, George Kingsley Palo Alto LD 66–3 Chi Psi-*1648*
Bendetson, Karl R. Aberdeen, Wash. LD 84+31 Kingscote-*2209*
Benedict, Charles Keep Carmel Chem. 144+2 Alpha Delta Phi-*J*
[234]Benedict, Gertrude E. Brockport, N.Y. Hist. gr. 8 Cabrillo-*1487*
A.B., Smith, 1926
[12]Benjamin, Georgiana K. Palo Alto Engl. gr. 889 Stanford-*1037*
A.B., Oregon, 1919, A.M., 1920
Benjamin, Harold Raymond Palo Alto Educ. gr. 889 Stanford-*1037*
A.B., Oregon, 1920, A.M., 1924
[4]Bennett, Arthur Walfred Pasadena Educ. gr. 131 Toyon
Ed.B., California, 1926
Bennett, Harry M., Jr. Hollywood Soc.S.-Jn. 157+29 Delta Chi-*1304*
[1]Bennett, Merrill Kelley Palo Alto Econ. gr. 1103 Ramona-p
Ph.B., Brown, 1920, A.M., 1921
Bennetts, Frederick Alford Mountain View Med. gr. 2200 Post, SF-sf
A.B., Stanford, 1925
[23]Benninger, Edgar Robley San Francisco LD 31+28 364 Encina
[4]Bennink, Lois Margaret Atascadero Educ. gr. 348 Roble
A.B., Whittier, 1919
*[4]Benson, Albert Niles Decoto Educ. 79·79+64 Decoto-d
[5]Benson, Ellis Raney Santa Clara S.Educ. gr. 1515 Franklin, SC-sc
A.B., Stanford, 1927
Benson, Lyman Kelseyville LD 46+67 325 Encina-*2341*
Bent, Deborah Fessenden Pasadena LD 43+1 158 Roble-*2474*
Bentley, Lucie Freeman Los Altos Engl.-P.Sp.60·109+64 ChOm-*1386*
Benton, D. Newell Oakland Chem. 4·131+95 218 Branner-*545*
Bentzien, Forrest Llewellyn Santa Clara LD36·61+30 1651 Lexington,SC-sc
Berg, Harry Clinton Stockton LD 44+19 310 Encina-*602*
[4]Berger, Lawrence Berkeley LD 107 Encina
Bering, Donald Arthur San Francisco M.E. 202+164 118 Toyon-*1135*
A.B., Stanford, 1927
Berman, Daniel New York, N.Y. Econ. gr. 223 Union
A.B., Columbia, 1926
Bermudez, Domingo T. Rosario, P.I. Educ.135·33–8 22Alvarado-Bx84,p
Berner, Hubert Hayward San Jose LD 59·61+12 Delta Upsilon-*2804*
Bernhard, Lazare Fred South Pasadena LD 92+71 251 Toyon-*1903*
[4]Bernheim, Marcia Mary San Francisco Engl. 15+2 Roble
[4]Berrien, William Josef Hollywood Span. 116·55+80 136 Toyon
[12]Berry, Florence Caroline Alhambra Span. gr. Delta Delta Delta-*1325*
A.B., California, Southern Branch, 1926
Berry, Kenneth Charles San Francisco LD 84+32 Phi Kappa Psi-*1333*
[4]Berry, Nancy Jane Palo Alto Educ. gr. 853 Channing-p
A.B., California, 1922
Berry, Willard Elwin Palo Alto Pre-Cl. 220+52 853 Channing-p
A.B., Stanford, 1927
[4]Besse, Joseph Raoul Silver City, N.M. Fr. gr. 171 Emerson-p
A.B., North Dakota, 1905; A.B., New Mexico State Teachers College, 1925

Best, William E. A.	San Mateo	Econ. 146+7 Theta Xi-*1355*
[4]Bettman, Gerald L.	San Francisco	LD 138 Toyon
[5]Betts, Gilbert Lee	Los Angeles	Educ. gr. 841 Bryant-p
B.S., McPherson, 1921; A.M., Stanford, 1927		
Bever, Clarence Lloyd	Filer, Idaho	Mil.S. 163+47 223 Toyon-*1441*
Biaggini, Albert	San Jose	Educ. 140+117 Delta Chi-*1304*
Bianchi, Fred August	Ventura	LD 58+20 10 Dolores-*935*
[4]Bianchi, Marie Lucy	Mountain View	Span.gr. 852 Washington,MV-mv
A.B., Stanford, 1923, A.M., 1924		
Bianchi, Tito J.	San Francisco	LD 42+8 Encina-*1621*
[4]Biddulph, Herbert Kemp	Los Angeles	Educ. gr. Stanford Univ.
B.S., Greenville, 1910		
[4]Bielefeldt, Iona Amelia	Placentia	Econ.‡ 335 Roble
Bierer, Everard	Salt Lake City, Utah	Chem. 47·86+1 410 Sequoia-*52*
[4]Bigham, Truman Cicero	Palo Alto	Econ. gr. 666 Homer-p
A.B., Baylor, 1920; A.M., Chicago, 1925		
Bigler, Alexander Bowman	Santa Maria	Med. gr. 635 Bryant-p
A.B., Stanford, 1926		
Billig, Harvey Ellsworth	Long Beach	Pre-Med. 49·98+111 Pacific Gv-pg
[5]Bilz, August Michael	Des Moines, Iowa	Law gr. 330 Union-*2671*
A.B., Drake, 1925		
Bingham, Herbert MacKay	Butte, Mont.	Law gr. *232* Union-*1305*
B.S., Pennsylvania, 1924		
[5]Binkley, Charles H.	Cobb	Chem.9·158+132 545Cass.,RC-*1245*
Binkley, M. Elizabeth	Cobb	Educ.53·117+73 545CassiaRC-*1245*
[23]Birch, Harry DeGray	Sausalito	LD 72+35 Theta Xi-*1355*
Birchett, Joseph Anderson	Tempe, Ariz.	LD 45·92+133 *247* Toyon-*616*
[4]Bird, Helen Dorothy	North Platte, Neb.	Span. gr. 275 Roble
A.B., Carthage, 1923		
Birnbaum, Walter	San Francisco	Pre-Med.90·45+33 505Embredro-p
Bisceglia, Gabriel Angelo	San Jose	LD 46+20 45 Encina
[4]Bishop, Henry Francis	Fresno	Chem.‡ 141 Toyon
[1]Bishop, James Hall, Jr.	San Francisco	LD 13–34 Alpha Delta Phi-*J*
Bishop, Jerome Holland, III	Pasadena	LD 87+17 Zeta Psi-*B*
[4]Bissell, Dwight Montgomery	Fresno	Educ. gr. *333* Lincoln-p
A.B., Fresno State Teachers College, 1926		
Bitterlin, Joseph Francois	Navolato, Mex.	LD 99+115 Phi KappaSigma-*1306*
de Bivort de la Saudée, H. G.	Palo Alto	S.Engr. 137+109 321 Lytton-*1574*
[234]Black, James Ream	Palo Alto	LD sp. 20+5 333 Santa Rita-p
Black, William Carter	Hollywood	LD 94+81 216 Toyon-*2576*
[5]Black, Winston C.	Salt Lake City, Utah	Law gr. Perry-*1140*
A.B., Stanford, 1927		
[5]Blackburn, John Haile, Jr.	Burlingame	Math.83·51+4 1529 Carol,B-*1083*
[4]Blackden, Ralph Silsby	Sacramento	Educ. gr. 525 S. E St., SM-sm
B.S., Oregon State Agricultural, 1915		
Blackford, James McNeal	Libby, Mont.	Law 186+111 116 Branner-*892*
A.B., Stanford, 1927		
[2]Blackwelder, Margery	Stanford U.	Hist. 84–6 Encina Rd.-*N*
Blackwelder, Martha Jean	Stanford U.	LD 86+96 Encina Rd.-*N*
[4]Blackwelder, Richard Eliot	Stanford U.	LD Encina Rd.-*N*
[4]Blair, Naomi Welch	Pasadena	Hist. gr. 300 Roble
A.B., Redlands, 1927		
Blair, Waddington	San Francisco	Ed. G.A. 5·143+90 213 Toyon-*903*
[5]Blake, Andrew Cobb	Santa Barbara	Econ. 36·81+16 402 Sequoia-*1906*

[4]Blanchard, Everett Ellis — San Mateo — Educ. gr. — 132 Ellsworth, SM-sm
A.B., Stanford, 1919

[12]Blanks, Anthony Faulkner — Berkeley — Engl. gr. — 70 Terrace Walk, B-b
A.B., Vanderbilt, 1905, A.M., 1906; A.M., Ohio Wesleyan, 1913

Blazier, Harold Emery — Portland, Ore. — Soc.S. 180+45 — Phi Gam. Del.-*1324*
A.B., Stanford, 1927

[4]Bleakney, Frederick W. — Walla Walla, Wn. — Engl. gr. — Beta Theta Pi
A.B., Whitman, 1921

[5]Bledsoe, Leighton McLellon — Bisbee, Ariz. — Law gr. — SigmaAlphaEpsilon-*1305*
A.B., Stanford, 1926

Blinn, Robert Kuhls — Alameda — LD 45+62 — 139 Encina-*1276*

Bluett, Albert Edward — San Jose — Pol.S. 82·47+13 — 590 N. 21st, SJ-sj

Blum, Edwin Harvey — San Francisco — Econ.135·45+12 — 160 29thAv,SF-sf
A.B., Stanford, 1927

[4]Blum, George Samuel — San Francisco — LD‡ — 120 Toyon

Blumenthal, Emil L. — Philipsburg, Mont. — Pre-Cl.135·50+46 — Hotel Ramona-p
A.B., Stanford, 1927

[4]Blumlein, Claire Jane — San Francisco — Phil.‡ — *325* Roble

Bly, Albert M. — Los Angeles — S.Engr. 117+18 — Delta Chi-*1304*

[4]Blythe, William Lucian — Palo Alto — Econ. 44·72+32 — 381 Channing-p

Boardman, Albert Drown — San Francisco — S.Engr. 180+1 — Sig.AlphaEp.-*1305*
A.B., Stanford, 1927

Boden, William Estey — San Francisco — S.Engr. 90·48+68 — 313 Sequoia-*556*

Bodle, George Emery — Boise, Idaho — LD 45+16 — 112 Encina-*537*

[4]Boseke, B. Cedric — Santa Barbara — LD — Boat House

[5]Bogen, Dorothy — Saratoga — LD 37+50 — *327* Roble

Boggs, Theodore Rupert — Palo Alto — LD 22·45+2 — 1147 Ramona-p

Bogue, George Richardson — Burlingame — Econ. 180+87 — 116 Toyon-*2668*
A.B., Stanford, 1927

[4]Bogue, Harris Dixon — Burlingame — LD — Santa Teresa

[23]Bolinger, Russell — Long Beach — LD 78·31–1 — 42 Encina-*2308*

Bollinger, Loren Charles — Cupertino — Chem. 90·42+4 — Cupertino-c

Bolman, Robert Hill — Palo Alto — Econ. 180+44 — 467 Lincoln-p
A.B., Stanford, 1927

Bolton, Robert Elmer — Casper, Wyo. — Chem. 187+52 — *227* Toyon-*60*
A.B., Stanford, 1927

Bonar, Perry Arthur — Santa Rosa — Med. gr. — 2422 Clay, SF-sf
A.B., Stanford, 1925

Bonn, Elizabeth Hayes — Palo Alto — LD 32+11 — 354 Roble-*930*

Bonner, Doris Rozella — Fresno — Econ. 6·151+83 — Pi Beta Phi-*1332*

Bonney, Merl Edwin — Salem, Ore. — Educ. gr. — 28 Alvarado
A.B., Willamette, 1925; A.M., Stanford, 1927

Boodberg, Alexander A. — San Francisco — M.E. 140+22 — 731 Emerson-p

Booker, Don Raymond — Dayton, Wash. — LD 70–24 — 207 Sequoia-*1872*

[4]Booker, Eugene Ryan — San Jose — Educ. gr. — San Jose-Bx531,R1,sj
A.B., Stanford, 1924

Boole, Katharine Louise — Piedmont — Law gr. — Madroño-*512*
A.B., California, 1926

Boomer, Herbert H., Jr. — Spokane, Wash. — LD 90+49 — Alpha Tau Omega-*1384*

Boone, Eleanor Sims — Hayward — Zoöl. gr. — 382 Central,Pac.Grv.-pg
A.B., Mills, 1926; A.M., Stanford, 1927

Boone, Frances Elizabeth — Palo Alto — LD 99+34 — Alpha Phi-*1387*

[124]Boone, Thomas Harold — Palo Alto — Bact. gr. — 200 Fulton-p
A.B., Stanford, 1927

Booth, Cora Frances — Riverside — Psych. gr. — Manzanita-*886*
A.B., Mills, 1925

Borden, Fred W.	San Francisco	Med. gr.	1066 Hampshire, SF-sf
A.B., Stanford, 1925			
Borden, Joseph Clarence	Palo Alto	LD 59+33	730 Bryant
[134]Borden, Lemuel Perry	Palo Alto	Pre-Med. 104+8	Sigma Nu-*1385*
[4]Bordwell, Naomi Esther	Palo Alto	Engl. gr.	Roble
A.B., Grinnell, 1921			
Borley, Roswell D.	Redwood City	Med. gr.	876 Durlston Rd., RC-rc
A.B., Stanford, 1925			
Borley, William Edgar	Redwood City	Zoöl. 45·139+84	Pacific Grove-pg
A.B., Stanford, 1927			
Born, Maynard Robert	Burlingame	LD 97+50	916 El Camino, B-b
[4]Bosche, John Henry	Piedmont	LD	124 Encina
[4]Boschen, Anna Marie J.	Santa Rosa	Math. ‡	Palo Alto-RFD Bx 5C, p
Botto, Armando Beneditto	Palo Alto	LD 51+4	501 Webster-p
[4]Bourland, John Albert	Dodge City, Kan.	Math. gr.	328 Union
B.S., Kansas State Teachers College, 1926			
Boutell, Clarence Burley	Santa Barbara	LD 40+19	18 Encina
Bovard, Richard Husketh	Berkeley	LD 35–21	418 Encina-*1175*
Bovet, Antoine Francis	San Mateo	Econ.97+41	3dAve.,SM-Bx176,sm
Bovet, Raymond C.	San Mateo	LD 105+65	3dAve.,SM-Bx176,sm
Bowen, Dorothy	Los Angeles	Engl. 5·176+196	340 Roble-*635*
[4]Bowen, Gilbert Todd	Los Angeles	LD	128 Encina
[234]Bowen, Ruth Grant	Palo Alto	LD 9·62–10	1326 Byron-p
Bower, B. Dorothy Horr	Menlo Park	Zoöl. 188+26	Sigma Kappa-*1327*
A.B., Stanford, 1927			
Bower, Leon McKinley	Palo Alto	Hist. gr.	1160 Greenwood-p
A.B., Denison, 1920; A.M., Hawaii, 1923			
Bowers, Fred Alex	E. San Gabriel	LD 71–4	Sigma Chi-*628*
Bowker, Frances Josephine	Berkeley	LD 93+79	320 Roble-*673*
Bowman, Hazel M.	Laramie, Wyo.	Law gr.	Delta Delta Delta-*1325*
A.B., Wyoming, 1926			
[4]Bowman, Leonard Leon	Santa Barbara	Educ. gr.	340 Embarcadero-p
B.S., Kansas State Normal, 1921			
[4]Bown, Fred B.	San Diego	LD‡	105 Encina
Boyes, Joseph Harold	San Jose	Med. gr.	2201 California, SF-sf
A.B., Stanford, 1926			
[4]Boynton, Elizabeth	San Francisco	LD‡	338 Roble
Boynton, Katharine	San Francisco	Soc.S.52·131+162	Al.Omic.Pi-*1367*
A.B., Stanford, 1927			
Boynton, Robert Davis	San Francisco	E.E. gr.	Phi Gamma Delta-*1324*
A.B., Stanford, 1926, Engineer, 1927			
[12]Bradbury, Roscoe Clifford	Wintersburg	LD 61–7	626 Gilman
Bradfield, Reason Silas	Long Beach	LD 36–10	141 Encina-*2199*
Bradley, George Ethelbert	Santa Ana	Law139+100	AlphaSigmaPhi-*1357*
Bradley, William Earle	San Diego	LD 81·51+37	616 Forest-p
[23]Bradshaw, Elizabeth Louise	Piedmont	LD 50+15	Alpha Phi-*1387*
Bradshaw, Page	Berkeley	LD 42·48+61	254 Roble-*2523*
[4]Bradshaw, William L.	Mountain View	Law gr.	MV-Box 371, Rt. 2,mv
A.B., Stanford, 1924			
[12]Brady, Earl Clyde	Helena, Mont.	Law 45·136+131	Sigma Chi-*628*
A.B., Stanford, 1927			
[1]Brady, Raymond Archbold	San Francisco	Pre-Med. 90·24–30	212 Sequoia
[4]Braem, Selma	Alma, Wis.	Econ. 4·40+37	1168 Greenwood-p
Brainerd, James Lamb	Menlo Park	LD 32–11	Selby Lane, MP-mp
Bramel, Hadley R.	Salt Lake City, U.	LD 41·42–7	106 Encina-*1773*

Bramkamp, Lynn Alden — San Jose — Law 136+121 — 133 Toyon-*945*
Bramkamp, Robert Greenleaf — Banning — Med. gr. — 326 Union-*1321*
A.B., Stanford, 1926
[4]Bramlage, Julia Antoinette — Porterville — Span. gr. — 1263 Stanford, M-m
A.B., California, 1922
[4]Brandenstein, Susan — San Francisco — LD‡ — Roble
Brandt, Louis James — Bakersfield — Econ. 43·137–5 — Delta Chi-*1304*
Brandt, Ralph Heck — San Francisco — S.Engr.119·64+2 — S.Cruz Rd.-*2772*
A.B., Stanford, 1927
Bransten, Edward — San Francisco — S.Let. 134+100 — 25 Salvatierra
Braun, Elmer W. — Greenwood, Wis. — Econ. gr. — 1215 Emerson-*552*
B.S., Minnesota, 1925
[23]Braunschweiger, Elyse E. — Palo Alto — LD 73–14 — Alpha Omicron Pi
[12]Breeze, Thomas Hamilton, Jr. — San Mateo — Engl.98+3 — Alpha Tau Omega-1384
Brem, Lorna — Los Angeles — Ed. G.A. 140+70 — Chi Omega-*1386*
Brenner, James Emmet — Palo Alto — Law gr. — 1044 Hamilton-p
Graduate, U.S. Naval Academy, 1913; J.D., Stanford, 1927
Brenner, Ralph Judson — Palo Alto — LD 39·58+37 — 1044 Hamilton-p
Breuer, Albert William — Burlingame — LD 46+16 — 218 Encina
[4]Breuner, Robert Alvin — Sacramento — LD — 6 Lasuen-*1334*
Brewer, Helen Viola — Grandview, Wash. — Bact. gr. — Manzanita-*2224*
B.S., State College of Washington, 1921; A.M., Stanford, 1927
[23]Brewster, Hughes — Dixon, Ill. — Law 131+98 — *236* Toyon-*2032*
[4]Breyer, Irving Gerald — San Francisco — LD‡ — 133 Toyon
[4]Bricca, Marcella Barbara — San Francisco — Engl. ‡ — Roble
Bridges, Josiah Alston — Los Angeles — LD 93+63 — 205 Sequoia-*2285*
[5]Briggs, Ackerman — Los Angeles — Econ. 172+58 — Beta Theta Pi-*1335*
Briggs, Charles Willers — Los Angeles — Min. gr. — 619 Cowper-*1832*
A.B., Stanford, 1926
[4]Briggs, Mitchell Pirie — Fresno — Hist. gr. — 1238 Cowper-p
A.M., Wisconsin, 1917
Bright, Harry Louis — San Francisco — LD 97+63 — Alpha Tau Omega-*1384*
Brill, Irwin Ettlinger — Los Angeles — Econ.86.45+2 659 — Middlefield-*1571*
Brink, Holden Edmund — Portland, Ore. — LD 95+76 — Chi Psi-*1648*
Brinkerhoff, David E. — Los Angeles — Med. gr. 2321 — Sacramento, SF-sf
A.B., Southern California, 1923
[4]Brintle, Shirley L. — Weatherford, Okla. — Educ. gr. — 910 Ramona-p
B.S., Southwestern State Teachers College, 1922
[5]Briscoe, William Steven — Santa Barbara — Educ. gr. — 840 Bryant-p
A.B., Idaho, 1926
Bristow, John Robert — Palo Alto — LD 45+1 — 558 Lincoln-p
Britten, Clyde H. — Exeter — Chem. 180+112 — 420 Encina-*1855*
A.B., Stanford, 1927
[1]Brix, Ted Frederick — Fresno — LD 64+22 — 132 Toyon-*1235*
Brobeck, William Morrison — Piedmont — LD 46+53 — *222* Encina-*1049*
[12]Brock, George A. — S. Pasadena — Econ. 108·82+1 — Zeta Psi-*B*
A.B., Stanford, 1927
[12]Brockway, Maywood L. — Palm Beach, Fla. — Law 5·199+49 — 1085 University-p
A.B., Stanford, 1927
Broenkow, Herman W. — Tacoma, Wash. — Law gr. — 334 Waverley-p
A.B., Stanford, 1925, J.D., 1927
Bronson, Lewis Elmer — Red Bluff — Law 135+89 — 117 Toyon-*2668*
Brooker, Edgar — Kodiak, Alaska — Min. 193+108 — 365 Guinda-p
A.B., Stanford, 1927
[12]Brooks, Baylor — Los Angeles — Engl.-P.Sp.9·116+33 — 106Bran.-*594*

Brooks, Phillips Gardner Honolulu, T.H. Hist. 180+21 Phi Del. Theta-*1334*
A.B., Stanford, 1927
Broomell, George Albert Santa Ana Geol. 90·46+22 712 Waverley-p
[12]Brouse, Albert Anderson Palo Alto LD 64·52–29 358 Tennyson-p
Brown, Aileen Maude Sacramento Pol.S. 8·152+138 Alp.Om.Pi-*1367*
Brown, Bert Elmer Livermore Econ.-Acct.23·93+50 231 Br.-*1297*
[1]Brown, Carvel Dolbeer Eureka LD 54·8–23 214 Branner-*2676*
Brown, Donald Merritt Taft LD 85+8 113 Branner-*605*
[124]Brown, Dorothy Baily San Francisco LD 76+73 KappaKappaGam.-*1354*
[4]Brown, Earl Theodore Salem, Ore. Phys. gr. 118 Toyon
B.S., Washington State Normal, 1918; M.S., Washington, 1925
Brown, Earnest Hume Los Angeles Law 134+71 140 Branner-*2017*
Brown, Edwin John Menlo Park Educ. gr. Stanford Park-*2342*
B.S., Kansas State Teachers College, 1922; A.M., Stanford, 1925
[4]Brown, Esther Eggers Riverside Engl.-P.Sp. gr. 234 Roble-*1102*
A.B., Stanford, 1924
[4]Brown, Florence Greenlaw Ogden, Utah Educ. 124·16+16 Kingscote
Brown, Evalyn L. Winnemucca, Nev. Hist. 146+168 Delta Del.Del.-*1325*
[134]Brown, Harmon Clifford Riverside Law gr. 539 Encina-*1102*
A.B., Stanford, 1927
Brown, Harold Nicholas Clifton, Kans. Educ. gr. Stanford Park-*2342*
B.S., Kansas State Teachers College, 1923; A.M., Stanford, 1927
Brown, Kenneth Ansel Eureka LD 39·73–4 Kappa Alpha-*1356*
[5]Brown, Kenneth Clinton Sacramento Mil.S. 5·155+36 Phi Sig. Kap.-*538*
[4]Brown, Lois Estella San Jose Educ. gr. 331 Lincoln-p
A.B., College of the Pacific, 1917
Brown, Morden Grant Palo Alto LD 98+80 1013 Ramona-*658*
Brown, Norton Sager Palo Alto Med. gr. 281 Embarcadero-p
A.B., Stanford, 1925
[4]Brown, Oliver Ellis Newman Educ. gr. 326 Lytton-p
B.S., Oregon State Agricultural, 1922
[1]Brown, Robert Francis Palo Alto C.E. 87·93+100 853 Middlefield-p
A.B., Stanford, 1927
[1]Brown, Ruth Wentworth Los Angeles Cl.Lit. gr. 3 Lasuen-*2576*
A.B., Southern California, 1903; A.B., Stanford, 1904, A.M., 1912
Brown, Walston Shepard Coronado LD 46+56 426 Waverley-*969*
[4]Brown, Wesley Wallace Fort Bragg LD 138 Encina
[12]Brownell, Evelyn B. Stanford Univ. Engl.-P.Sp.27·155+135 Kgsct-*1125*
A.B., Stanford, 1927
Brownell, Robert Los Angeles LD 42+19 334 Encina-*2183*
[4]Brownson, Harold Graham Portland, Ore. Educ. gr. 6 Lasuen
A.B., Reed, 1923
Brownstone, Louis H. San Francisco Law 180+291 107 Branner-*1961*
A.B., Stanford, 1927
Brumbaugh, Donald Harmon Redlands Med. gr. 543 Byron-p
A.B., Stanford, 1926
Bruml, Leonard Foote Palo Alto Med. gr. 2355 California, SF-sf
A.B., Stanford, 1926
[5]Brunet, Joseph Stanford Univ. Fr. gr. Cedro Cottage-*2681*
A.B., Stanford, 1923, A.M., 1924
[5]Brunner, William Harold Palo Alto Law gr. 409 Fulton-p
A.B., Stanford, 1927
Brunnier, Henry John, Jr. San Francisco LD 74+41 Kappa Alpha-*1356*
[5]Brunton, Delbert Palo Alto Hist. gr. 526 University-*1082*
A.B., Stanford, 1905
[4]Bruntz, George G. Hastings, Neb. Engl. gr. 211 Toyon
A.B., Hastings, 1925

[5]Bryan, Darwin — Suisun — Law gr. — Phi Kappa Psi-*1333*
A.B., Stanford, 1926
[4]Bryan, John Chase — Placentia — LD — 141 Encina
[4]Bryant, Edythe Katharine — Los Angeles — Educ. gr. — 239 Roble
A.B., California, 1921
[12]Bryant, Howard Selva — San Jose — Min. gr. — 41 S. 11th, SJ-sj
A.B., Stanford, 1925
Bryant, Ralph Walter — Marysville — LD 113–5 — Phi Sigma Kappa-*538*
Bryant, W. Byron — San Diego — Econ.66·101+72 — PhiDel.Thet.-*1334*
[4]Bryner, Claude Albert — Palo Alto — Educ. gr. — 149 Webster-p
A.B., Stanford, 1926
[5]Buchanan, A. Russell — Palo Alto — Hist. gr. — 329 Union-Bx 431, p
A.B., Stanford, 1927
Buchthal, Fritz — Witten, Germany — Pre-Med.‡31+37 — 562 Encina
[4]Buck, Dorothy Vincent — Hastings, Neb. — Span. gr. — 342 Homer-p
B.S., Hastings, 1917
[5]Bucknam, C. Clark — Wellesley Hills, Mass. — Econ. 112·53+49 — Al.Sig.Phi-*2823*
Bucknum, Eugene Merle — Emmett, Idaho — S.Engr. 92·37+14 — 427 Encina-*2484*
Buckwalter, William Wright — Palo Alto — LD 86+25 — 1511 Waverley-p
[1]Bugge, Elwyn B. — Seattle, Wash. — Econ. gr. — 318 Lincoln-p
A.B., Stanford, 1926
[1]Bulaon, Julian Capati — Manila, P.I. — Hist. gr. — 508 Churchill-*959*
B.S., Oregon, 1926
Bullard, Frederick Gray — Piedmont — Law 143+31 — Phi Gamma Del.-*1324*
[3]Bullard, Helen Rose — Sacramento — Engl. 90·15+2 — 316 Roble
[4]Bullard, Richard Wilder — Piedmont — LD — 407 Waverley
Bullis, John Albert — Los Angeles — Pre-Med.138+128 — Bet.The.Pi-*1335*
[5]Bullock, Lewis Thomas — Atlanta, Ga. — Bact. gr. — 213 Union-*1524*
A.B., Stanford, 1927
[12]Bulotti, Theodore August — San Francisco — LD 56–30 — 103 Branner
Bunnell, Virginia — Los Angeles — Span. 135+170 — Gam.PhiBeta-*1337*
[5]Burbank, William Winston — Long Beach — Bact. gr. — PhiSig.Kap.-*538*
A.B., Stanford, 1927
Burchell, Stanley Lebaron — Salinas — Econ. 184+41 — Theta Chi-*1383*
A.B., Stanford, 1927
[5]Burck, Gail Johnson — Los Angeles — Law 167+43 — Alpha Delta Phi-*J*
[4]Burfield, Helen S. — Portland, Ore. — Psych. gr. — 30 Lasuen
A.B., Oregon, 1924; A.M., Clark, 1925
Burger, Frances Bellamy — San Diego — Engl. 148+198 — Alpha Phi-*1915*
[13]Burgess, Charles P. — Birmingham, Ala. — Econ. 142+32 — 442 Lowell-*1225*
Burk, Lucile — Madera — Span. 141+274 — 171 Roble-*2113*
[4]Burke, Harry Axel — Gothenburg, Neb. — Educ. gr. — 460 Hamilton-p
A.B., Idaho, 1917
[23]Burke, Marion Rebecca — Palo Alto — LD 30+15 — 1551 Emerson-p
[124]Burke, William Henry — Los Angeles — LD 47–5 — Phi Kappa Sigma-*1306*
[5]Burks, Barbara Stoddard — Palo Alto — Psych. gr. — 1120 Parkinson-p
A.B., Stanford, 1924
Burks, Dana, Jr. — Menlo Heights — Chem. gr. — Menlo Heights-*1473*
A.B., Stanford, 1924, A.M., 1925
Burlingame, Lucile Anna — Stanford Univ. — S.Biol. gr. — Sigma Kappa-*1455*
A.B., Stanford, 1927
[27]Burlingame, E. Mildred — Stanford Univ. — Psych. gr. — 24 Alvarado-*1455*
A.B., Stanford, 1925, A.M., 1927
Burnett, Louis Swanton — San Francisco — LD 83·42+0 — 409 Encina-*2070*
Burnett, Martha Argués — San Jose — Engl. 47·135+93 — Alpha Phi-*1387*
A.B., Stanford, 1927

[23]Burnett, Royal Bruce — Waco, Texas — Fr. 116·30+18 — Kingscote-*1843*
Burns, Douglas Erickson — Ojai — Econ. 180+17 — Delta Chi-*1304*
A.B., Stanford, 1927
[4]Burns, Jane Barkley — Petaluma — LD‡ — 30 Lasuen-*1332*
Burns, Robert Edward — San Francisco — LD 73+98 — Delta Upsilon
Burns, Sarah Margaret — Pasadena — Educ. 135·59+56 — Roble-*1693*
[4]Bursch, Charles Wesley — Ione — Educ. gr. — 1648 California-*2274*
B.S., Kansas State Teachers College, 1918; A.M., Stanford, 1926
[5]Bursch, James Frederick — Palo Alto — Educ. gr. — 1648 California-*2274*
B.S., Kansas State Normal School, 1920; A.M., Stanford, 1923
Burton, A. Grant — Walnut Creek — Econ. 134+111 — Sigma Nu-*1385*
Burton, Joe Henry — Slaton, Texas — LD 30–16 — Phi Kappa Psi-*1333*
[4]Burton, Robert E. — Santa Cruz — Educ. gr. — Stanford Univ.
A.B., California, 1915
Busby, John, Jr. — Spokane, Wash. — LD 87+30 — 304 Sequoia-*915*
[5]Busch, Burt W. — Ukiah — Law gr. — 313 Toyon-*2381*
A.B., Stanford, 1927
Busch, James Elmer — Ukiah — Law 139+45 — 313 Toyon-*2381*
Bush, Clarence Edward — Stockton — LD 46+1 — 116 Encina-*1526*
[6]Butler, H. Bayford — New York, N.Y. — Soc.S.-Jn. 145+29 — 321 Union-*2234*
[14]Butler, Raymond Ignatius — San Francisco — Cl.Lit. gr. — 27 BuenaVist.Tr.,SF-sf
A.B., Gonzaga, 1915, A.M., 1916
[23]Butler, Sanford Joseph — Palo Alto — LD 31–16 — 943 Bryant-p
Butler, W. Hervey — Los Angeles — Min. gr. — Theta Xi-*1355*
A.B., Stanford, 1926
Butt, Edward Merchant — San Francisco — Med. gr. — 1925 Pierce,SF-sf
A.B., Stanford, 1924
[23]Butterbaugh, Don Kay — Long Beach — LD 67–7 — Phi Sigma Kappa-*538*
[5]Button, A. Ronald — Long Beach — Law gr. — 248 Mariposa-p
A.B., Stanford, 1925
Buttrey, Elmer Mervin — Craigmont, Idaho — Hist. 181+28 — *227* Sequoia-*1511*
A.B., Stanford, 1927
Butzbach, Arthur Graham — San Jose — S.Educ. gr. — 1141 Curtiss, SJ-sj
A.B., Stanford, 1926
Buxton, Louise M. — Long Beach — LD 40·43+35 — 380 Roble-*2159*
[12]Byrne, Carlton Earley — Santa Cruz — Engl.-P.Sp.163+166 — 341 Em.-*1468*
Byrne, John Drennan — Santa Cruz — Econ. 142+83 — 215 Toyon-*O*
[4]Byrne, John McKinnon — Pasadena — LD‡ — 120 Encina
[4]Byrne, Laurin Thaddeus — Colfax, Wash. — Law gr. — 208 Escobita-p
A.B., State College of Washington, 1925
[5]Byrne, Wayne Ronald — Long Beach — LD 52+58 — Phi Sigma Kappa-*538*
[1]Byrns, Marion Louise — Moscow, Idaho — Engl. gr. — 12 Homer Ct.-p
A.B., Idaho, 1920; A.M., California, 1923
Caddy, Frank Edward — Midwest, Wyo. — LD 40–11 — 449 Encina-*1862*
[4]Cady, Hazel Carpenter — Palo Alto — Educ. gr. — 328 Cowper-p
B.S., Washington, 1915
[1]Cady, Osman Horace — Palo Alto — Chem. gr. — 328 Cowper-p
B.S., Washington, 1915, M.S., 1919
[234]Caglieri, Guido George — San Francisco — LD 29–7 — 303 Encina-*2722*
[124]Cakebread, Aarian Sydney — Brentwood — Educ. gr. — 315 S. 7th, SJ-sj
A.B., San Jose State Teachers College, 1926
Caldwell, Philip Graham — Piedmont — LD 91+115 — 405 Kipling-p
Calkins, Robert Deblois — Williamsburg,Va. — Econ. gr. — 10 Union-*3007*
A.B., William and Mary, 1925
Call, Harry William — Eureka — Law 10·110+61 — 104 Sequoia-*81*
Cameron, Allan — Oakland — LD 30+18 — 841 Bryant-*2677*

[4]Cameron, Howard McD.	Ft. Scott, Kans.	Econ. gr.	328 Union-*1622*
A.B., Kansas State Teachers College, 1925			
[4]Cameron, Meribeth Elliott	Santa Monica	Hist. gr.	Kingscote-*1325*
A.B., Stanford, 1925, A.M., 1926			
[4]Cameron, Robert Andrews	Taft	LD	113 Encina
[1]Campbell, Blair Burns	Crescent City	LD	138 Encina-*2059*
[5]Campbell, Glen C.	Dinuba	S.Educ. gr.	523 Cowper-p
B.S., California, 1914			
[4]Campbell, Joe Chalmers	Long Beach	LD	1 San Juan
Campbell, John Marshall	Laredo, Texas	LD 92+137	216 Branner-*845*
[4]Campbell, Maxwelton S.	Bellingham,Wn.	LD	107 Encina
Campbell, Nancy Belle	Des Moines, Iowa	LD 44·47+38	156 Roble-*1217*
Campbell, Orvin Watson	Lodi	Engl. 23·90+26	19 Salvatierra-*2019*
Campbell, Thomas Allen	Phoenix, Ariz.	Hist. gr.	San Juan-*1335*
A.B., Stanford, 1925			
[5]Campbell, Walter McNutt, Jr.	Alhambra	Soc.S.-Jn.9·151+59	Al.Sg.Phi-*1357*
[1]Canfield, John Charles	Santa Barbara	LD 87+39	125 Branner
Cann, George Arthur	Reno, Nev.	Med. gr.	2321 Sacramento,SF-sf
A.B., Nevada, 1923			
Cann, William Silas	Reno, Nev.	Med. gr.	2321 Sacramento, SF-sf
A.B., Nevada, 1923			
Cannon, Alfred Richard	Millbrae	Geol. 133+6	Theta Xi-*1355*
[5]Cannon, Robert Proctor	Palo Alto	Geol. gr.	301 Addison-*1232*
A.B., Stanford, 1927			
Card, Ben Franklin S.	Santa Monica	LD 44+6	408 Encina-*2138*
[4]Carey, Beatrice McHenry	Modesto	Span. gr.	410 Kipling-p
A.B., Stanford, 1911, A.M., 1918			
Carleton, William Hodder	Santa Cruz	LD 45+19	206 Encina-*2673*
Carley, Leon Alanson	Hollywood	LD 90+52	220 Toyon-*511*
Carlsmith, Carl Wendell	Hilo, T.H.	Law gr.	114 Encina-*607*
A.B., Stanford, 1927			
Carlsmith, Merrill Lawrence	Hilo, T.H.	Law 144+116	201 Toyon-*607*
[5]Carlson, Donald Edward	Mare Island	C.E. 112·13–5	450 Encina-*2616*
Carlson, Edward Franklin	Yreka	Bact. 89+16	206 Sequoia
[4]Carmichael, Jacob A.	San Jose	Ed.90·63+52	312W.S.Ferndo,SJ-sj
[5]Carnahan, Chalon Wesley	San Jose	Phys. gr.	527 Encina-*2816*
A.B., Stanford, 1926			
Carnahan, Charles Trunnell	Los Angeles	C.E. 198+164	305 Sequoia-*1463*
Carpenter, Helen Elizabeth	Richmond	Span. 140+42	359 Roble-*654*
[12]Carpenter, Howard Luxmoore	San.Paula	Pre-Med. 142+120	212 Bran.-*1207*
[5]Carpenter, Powell W.	Chicago, Ill.	LD 75–16	407 Sequoia
Carr, Donald Brooks	Stockton	LD 21·50+0	Theta Chi-*1583*
[5]Carr, William Herbert	Hanford	Law 148+33	202 Union-*1981*
Carrithers, Margaret Lois	Turlock	Pre-Nurs. 135+64	173 Roble-*1525*
[4]Carroll, Cecil James	Lovelock, Nev.	Educ. gr.	119 Encina
A.B., Western State, 1924			
Carroll, Francis Bernard	San Jose	Pol.S.45·102+140	409 Sequoia-*2321*
[4]Carroll, Frank Emmet, Jr.	San Francisco	LD	126 Encina
Carroll, Joe Shannon	Clovis	LD 91+87	Delta Chi-*1304*
Carson, James G.	San Francisco	Med. gr.	2422 Clay, SF-sf
A.B., Stanford, 1925			
Carter, Benjamin Chadwick	San Jose	LD 85+31	232 Branner
[1]Carter, Marshall Lloyd	Los Angeles	LD 75–6	Alpha Delta Phi-*2462*
Carter, Miles Wilson	Minneapolis, Minn.	Econ. 84·41+26	712 Waverley-p
Carter, Nelson Ira	Los Angeles	LD 29+4	315 Encina-*2464*

[1]Cartwright, Lon D., Jr.	Beaumont, Texas	Geol. gr.	Kappa Alpha-*988*
A.B., Texas, 1924; A.M., Stanford, 1927			
[1]Cary, Colin R.	Mandan, N.D.	LD 74–30	Sequoia-*618*
[4]Cary, J. Alison	Mandan, N.D.	Pre-Med. gr.	Theta Xi-*1355*
A.B., Stanford, 1921			
Casad, Barry	Raritan Arsenal, N.J.	Min. 163+11	Theta Xi-*1355*
Case, Donald Lathrop	Los Gatos	LD 43+35	233 Encina-*2016*
[23]Case, Evelyn Hart	San Francisco	Med. gr.	1849 Page, SF-sf
[4]Case, Roscoe David	Brush, Colo.	Educ. gr.	6 Lasuen
A.B., Denver, 1922, A.M., 1923			
[4]Casey, Helen	Menlo Park	Engl. gr.	Sacred Heart, MP-mp
A.B., Nebraska, 1924			
Cass, Alonzo B.	South Pasadena	Hist. 116+23	Zeta Psi-*B*
[4]Casselberry, William S.	Long Beach	Educ. gr.	Oregon-Box 212,p
A.B., California, 1916			
Castberg, Harold Tycho	San Francisco	LD 38–3	106 Encina-*2377*
[23]Castellanos, Joseph C.	Los Angeles	LD 88+82	548 Encina-*1280*
Castner, Huntley	Los Angeles	LD 129+1	Phi Kappa Psi-*1333*
Catanich, Joseph George	San Francisco	Pol. S. 90·43+2	1027 Waverley-*861*
Cathcart, Robert Samuel	Palo Alto	LD 45+34	433 Encina-*2486*
Cathcart, Wallace Daniel	Palo Alto	Law 182+173	1215 Emerson-p
A.B., Stanford, 1927			
[4]Catlin, James Hubert	Reedley	Educ. ‡	481 Lytton-p
[4]Catlin, Robert Allen	Kingsburg	Educ. gr.	221 Toyon
A.B., Stanford, 1926			
Cattoir, Francis Raymond	Arroyo Grande	Chem. 181+137	315 Sequoia
A.B., Stanford, 1927			
[23]Caukin, Esther	Sierra Madre	Hist. gr.	425 Embarcadero-p
A.B., Mills, 1924; A.M., Stanford, 1925, Ph.D., 1927			
[5]Cavalero, Philip	Stockton	Pol.S. 151+183	255 Toyon-*2027*
Cavell, Joseph Platt	Carson City, Nev.	LD 50+9	244 Encina-*919*
Cecil, Robert Edgar	Palo Alto	S.Engr. 136+65	440 Melville-*1030*
[5]Center, Hugh Stuart	San Jose	Law 3·170+105	Del.Tau Del.-*1363*
[4]Center, Mary Stuart	San Jose	Educ. gr.	107 Roble
A.B., San Jose State Teachers College, 1925			
Chaffee, John Matthew	Bloomington	S.Engr. 140–3	115 Toyon-*1855*
[4]Chalfant, Augusta	Lakeview, Idaho	Span. gr.	424 Seneca-*852*
A.B., Minnesota, 1912			
[5]Chalfant, Frank Carroll	Pullman, Wash.	Germ. gr.	224 Union-*852*
A.B., Monmouth, 1902			
[4]Challender, Harry Morgan	Hanna, Wyo.	Educ. gr.	615 Channing-p
A.B., Wyoming, 1926			
Chalmers, Harry Hollis	Pocatello, Idaho	Law 14·201–8	Kappa Alpha-*1356*
Chamberlain, Thomas K.	Fairport, Iowa	Zoöl. gr.	Monterey-Box 225, m
B.S., Cornell, 1920; A.M., Stanford, 1927			
Chambers, Dudley Elston	San Diego	E.E. 180+109	203 Sequoia-*1145*
A.B., Stanford, 1927			
[4]Chamberlin, Joseph Conrad	Palo Alto	Zoöl. gr.	712 College-*4*
A.B., Stanford. 1923, A.M., 1924			
[5]Champlin, Lucia Bell	San Diego	Pol.S. 63·101+100	Chi Omega-*1386*
Chan, George	Marshfield, Ore.	Econ. 93·40–7	Chinese Club-*851*
Chandler, Dorothy Maud	Berkeley	LD 42+43	282 Roble-*3026*
[1]Chandler, Harrison	Los Angeles	Econ.183+19	Del.Kap.Epsilon-*OO*
A.B., Stanford, 1927			
Chandler, Margaret	Palo Alto	Engl. 132+29	865 Hamilton-p

Chang, David K. A.B., California, 1922	San Francisco	Med. gr.	1449 Laguna, SF-sf
[5]Chang, Pao Heng	Canton, China	Econ. 90·53+78	2 Salvatierra-*1277*
[12]Chang, Yu Chang A.B., Stanford, 1927	Nanchang, China	Educ. 102·78+39	Chinese Club-*25*
[124]Chantry, Kenneth Neal A.B., Stanford, 1926	Ocean Park	Law gr.	P.A. Mil. Acad.-Bx306,p
[4]Chapin, He.en Elizabeth A.B.,Pomona, 1924	Orange	Educ.gr.	655Hanover,M-Bx 188,m
Chapman, Newton B.	Chardon, Ohio	LD 45+44	434 Encina-*562*
[5]Chappellet, Cyril	Los Angeles	Econ. 170–9	Delta Kap. Eps.-*OO*
[4]Chappellet, Henry	Los Angeles	LD	Delta Kappa Epsilon-*OO*
Chaquette, Marion Camille A.B., Stanford, 1926	San Francisco	S.Educ. gr.	Delta Gamma-*1366*
Charles, Allan Earle A.B., Stanford, 1925, J.D., 1927	Palo Alto	Law gr.	Phi Delta Theta-*1334*
Charles, Raymond W., Jr.	San Francisco	Econ. 104+22	Al. Tau Omega-*1384*
[1]Chase, Edwin Morey	Pasadena	S.Biol. 11·178+10	Phi G.Del.-*1324*
Chase, Elsie Leslie	San Diego	LD 45·47+17	147 Roble-*2605*
[4]Chase, Grace Elizabeth A.B., Stanford, 1925	Stanford Univ.	Educ. gr.	268 Roble-*717*
Chase, M. Bernice A.B., Stanford, 1927	San Jose	Econ. 10·178+154	Chi Omega-*1386*
Chatham, Russel Wilson	San Francisco	LD 90+16	103 Branner-*1962*
[4]Chatham, William	San Francisco	LD	216 Toyon
Chawner, William Donald A.B., Occidental, 1925	Pasadena	Geol. gr.	528 Encina-*2425*
[2]Chen, Coker T. A.B., National University of Peking, 1922	Peking, China	Pol.S. gr.	Chinese Club-*1136*
[5]Chen, Yuan Teh	Kiangsi, China	Phil. 90·54+46	Chinese Club-*1157*
[5]Cheng, Ying Yuan A.B., Stanford, 1927	Anhwei, China	Hist. gr.	212 Union-*24*
Cherry, Donald Langer	Santa Cruz	Hist. 15·151+204	136 Toyon-*1561*
Cheu, Henry Docfoo A.B., Stanford, 1925	Canton, China	Med. gr.	1982 Sutter, SF-sf
[4]Chi, Ch'ao-Ting Ph.B., Chicago, 1926	Shansi, China	Law gr.	Chinese Club-*2338*
Chia, Yu Hui	Washington, D.C.	Pol.S. 124·45+18	635 Bryant-p
Chichester, James Beverley	Santa Barbara	LD 39·52+21	428 Encina-*2547*
Chichizola, Tom Lewis	Jackson	LD 42+0	22 Encina-*46*
Chloupek, Lily Laura	San Francisco	LD 52+88	327 Roble-*514*
Chope, Harold DeLos A.B., Stanford, 1926	San Jose	Med. gr.	2209 Buchanan, SF-sf
[4]Chou, Pei Yüan B.S., Chicago, 1926	Kiangsu, China	Math. gr.	212 Union-*25*
Chou, Siegen A.B., Stanford, 1926	Anhwei, China	Psych. gr.	Chinese Club-*1119*
[5]Chow, Tze An	Peking, China	Econ. 90·51+8	Chinese Club-*1279*
[4]Chrisman, Herman Henry A.B., Stanford, 1922, A.M., 1923	San Diego	Hist. gr.	695 E. St. James, SJ-sj
[4]Chrisman, Norman Ellsworth	San Jose	LD ‡	695 E. St. James, SJ-sj
[1]Chrisman, Robert V.	The Dalles, Ore.	Law ‡10–3	224 Forest-p
[12]Christ, Herbert George	San Francisco	LD 104+0	Theta Delta Chi-*1828*
Christensen, A. Lee B.S., Utah, 1925	Salt Lake City, Utah	Geol. gr.	224 Sequoia-*1556*
Christensen, Allen D. A.B., Stanford, 1927	Salt LakeCity, Utah	S.Engr. 104·91+141	22 Sequ.-*1556*

Christensen, Kenneth Chester	Palo Alto	LD 44+27	552 Hamilton
Christian, William T.	Minneapolis, Minn.	Engl. 7·136+97	106 Branner-*992*
[4]Christin, Denis Armand	Los Angeles	LD ‡	414 Emerson-p
[5]Chubbuck, Charles Dixon	San Francisco	Geol. 5·125+11	238 Toyon-*605*
[23]Churchill, E. Perry	Santa Paula	LD 30+51	115 Encina-*1993*
[4]Churchill, Ruth Elizabeth	Big Creek	LD 67·13–1	Roble
Cilley, Herbert Arthur	San Francisco	Med. gr.	2490 California, SF-sf
A.B., Stanford, 1926			
[5]Claes, John Vernon	Turlock	Chem. gr.	309 Sequoia
A.B., Stanford, 1927			
Clagstone, Kirk	San Mateo	LD 71+23	Alpha Sigma Phi-*1357*
[5]Clark, Charles Kittredge	San Francisco	Chem. 127+43	230 Branner
[4]Clark, Edythe E.	Mineral Wells, Tex.	Psych. gr.	30 Lasuen
A.B., Southern Methodist, 1924, A.M., 1927			
Clark, Elizabeth Allerton	Berkeley	Pol.S. 110+68	326 Roble
Clark, Frederick Norman	Los Angeles	LD 90+82	108 Branner-*1943*
Clark, Georgia Lenore	Oakland	S.Educ. gr.	Kingscote-*2044*
A.B., California, 1926			
Clark, G. Houghton	Palo Alto	Zoöl. 181+113	Pacific Grove-pg
A.B., Stanford, 1927			
Clark, Helen Lucretia	Oakland	LD 42·35+6	Kingscote-*2044*
Clark, John Alfred	Gunnison, Colo.	LD 89+26	213 Branner-*1641*
[12]Clark, John William	Bishop	LD 116+104	Phi Delta Theta-*1334*
[12]Clark, John Woodhull	Aberdeen, Wash.	Law 143+77	Sigma Chi-*628*
Clark, Lincoln	Pasadena	LD 32·70+34	Phi Kappa Sig.-*1306*
[4]Clark, Olive E.	Colton	Chem. gr.	Roble
A.B., Yankton, 1900			
[4]Clark, Pauline	Mayfield	Educ. gr.	1263 Stanford, M-m
A.B., California, 1919			
Clark, Robert Wellington	Salinas	M.E. 182+77	237 Toyon-*1401*
A.B., Stanford, 1927			
[1]Clark, Thomas Stewart	Beverly Hills	Econ. 157+3	Phi Gam. Del.-*1324*
Clark, Wellman Albert	Kellogg, Idaho	LD 5·97+23	303 Sequoia-*605*
Clark, William Nunan	San Francisco	LD 40–1	432 Encina-*1983*
[4]Clarke, Clarence Junius	Fortuna	LD	137 Encina
[4]Clarke, James Roy	Salinas	Chem. gr.	224 Toyon
B.S., South Dakota, 1909			
Clarke, Oliver French	Myrtle Point, Ore.	LD 78+6	481 Lytton-p
Clarke, Robert Edward	Oakland	LD 41+22	434 Encina-*1602*
Clarke, Robert Montgomery	Los Angeles	LD 42+19	251 Encina-*1602*
Clarke, Rosamond	Los Angeles	LD 41+44	280 Roble-*2633*
Clarke, Stephen Kenneth	Santa Barbara	LD 41+7	402 Encina-*2054*
[4]Clary, Lusanna Maria	Palo Alto	Cl.Lit. gr.	151 Kellogg-p
B.L., Mt. Holyoke, 1897			
[4]Clemens, Isabelle Edna	Vancouver, B.C.	Fr. gr.	20 Cabrillo
A.B., Toronto, 1913			
[4]Clement, Juanita S.	Lubbock, Tex.	Engl. gr.	515 University-p
A.B., Baylor, 1915			
[4]Clement, Warren Perry	Lubbock, Tex.	Educ. gr.	515 University-p
A.B., Baylor, 1919, A.M., 1920			
[4]Clifford, Charles Randall	Palo Alto	Educ. gr.	Community House-p
A.B., Stanford, 1926			
[4]Clinton, Riley Jenkins	Steelville, Mo.	Educ. gr.	760 University-p
A.B., Missouri, 1922, B.S., 1923, A.M., 1925			
Clock, Anita Kathreen	Redlands	Hist. 181+82	Kap.Kap.Gam.-*1354*
A.B., Stanford, 1927			

[12]Clock, Henry Harriman	Long Beach	LD 60+42	Phi Delta Theta-*1334*
[13]Clohan, Lewis Thomson	Palo Alto	LD 12–3	168 Mariposa-p
Clough, Philander O.	Fillmore	Law 87·133–27	320 Union-*1065*
Clough, William M.	Kansas City, Mo.	LD 31–5	108 Encina
Clouse, Floyd Willis	Lodi	LD 62+85	431 Encina-*2725*
Clover, George I.	Woodland	LD 135+54	Sigma Nu-*1385*
Clum, Woodworth B.	Beverly Hills	LD 79+21	Beta Theta Pi-*1335*
Clumeck, Ned N.	Singapore, Straits Set.	LD 97+33	111 Branner-*1543*
Clunie, Richard Allen	Menlo Park	LD 34–1	Menlo Park-Box 95, p
[1]Clunie, Robert Morris	Menlo Park	LD 0–15	Menlo Park-Box 95, p
[1]Cluxton, Donald Edwin	Denver, Colo.	Pol.S. 90·51–20	329 Hawth.-*1946*
[12]Cluxton, Henry Tracy A.B., Denver, 1907, A.M., 1919	Denver, Colo.	Educ. gr.	329 Hawthorne-*1946*
Clymer, Eugene Walter	Yuma, Ariz.	Soc.S.-Jn. 173+21	302 Sequ.-*2623*
Clyne, Charles Terence	Los Angeles	Pol.S. 96·47+9	Chi Psi-*1648*
Coates, Stanley Kenneth	Los Angeles	LD 79–15	250 Toyon-*1885*
Coats, Philip Leiter	Oakland	LD 45–1	229 Encina
Cobb, Charles Elvan	Fresno	LD 34·44–3	321 Encina-*2401*
Coberly, William Bayley, Jr.	Calipatria	LD 39+27	330 Encina-*1486*
[5]Coblentz, Richard A.B., Stanford, 1924	San Francisco	Law gr.	545 Encina-*1934*
Cochran, Sam Luther	La Grande, Ore.	LD 93+28	Sigma Nu-*1385*
Coe, Henry Sutcliffe	San Jose	Econ. 97·43+7	416 Encina-*2221*
Cohen, Milton M., Jr.	Los Angeles	LD 90+54	113 Toyon-*1048*
Cohn, Roy Barnett	Los Angeles	LD 100+68	252 Toyon-*1714*
[4]Coit, William Saimonis	Oakland	LD	Kappa Alpha-*1356*
Colberg, Florence Kathryn	Stockton	LD 45+3	368 Roble
Colby, Leavenworth	San Diego	Phil. 93·55+68	304 Union
Cole, Andrew Morris	Pasadena	LD 89+42	240 Branner-*895*
Cole, Burton Reece A.B., Stanford, 1927	Los Gatos	S.Engr. 103·89+40	303 Union-*2020*
Cole, Creswell Chapin	San Francisco	LD 96+112	235 Branner-*623*
Cole, Mildred Edgar	El Centro	LD 49·48+11	374 Roble-*2812*
Coleman, Harry S.	Portland, Ore.	LD 92+10	131 Toyon-*1762*
Coleman, Norton A.B., Stanford, 1927	San Francisco	Geol. 184+52	Sigma Chi-*628*
[5]Coleman, Ray J.	Long Beach	Law 134+114	Del. Kap. Epsilon-*O*
[4]Colley, William L. A.B., Redlands, 1921	Elsinore	Educ. gr.	270 Kellogg-p
[4]Collier, Charles Wood	Mill Valley	LD	Pacific Grove-pg
[22]Collier, Myrtie B.S., Chicago, 1912	Los Angeles	Math. gr.	7 Alvarado
[4]Collier, Raywil A.B., Baylor, 1921	Fort Worth, Tex.	Span. gr.	207 Hawthorne-p
[1]Collins, Burton V., Jr.	Los Angeles	LD 66–8	Alpha Tau Omega-*1384*
Collins, Edgar Archibald	Jackson	LD 25–13	121 Encina
[4]Collins, Grace M. A.B., Kansas, 1909	Topeka, Kans.	Educ. gr.	212 Roble
[1]Collins, James Philmore A.B., Stanford, 1926	Fresno	Bact. gr.	25 Salvatierra-*1468*
[5]Collins, John Stephenson	Courtland	Law 176–1	Zeta Psi-*B*
[5]Collins, Junior Jennings A.B., Stanford, 1925	Los Angeles	Educ. gr.	223 Sequoia-*2698*
[5]Collins, Marion Carter A.B., Stanford, 1927	Turlock	Anat. gr.	209 Toyon-*2311*

[4]Collins, Myrtle Helen	Fresno	Educ. ‡	216 Roble
[4]Collins, Olive	Topeka, Kans.	Span. gr.	214 Roble
A.B., Kansas, 1906			
Collins, William Henry	Los Angeles	LD 84+3	Phi Kappa Sigma-*1306*
[3]Collis, William Henry L.	San Jose	Zoöl. gr.	Pacific Grove-pg
A.B., College of the Pacific, 1926			
[5]Colloff, Harry	St. Joseph, Mo.	LD 95+31	204 Waverley-p
Colton, Arthur Harry	San Francisco	Econ. 180+38	130 Branner
A.B., Stanford, 1927			
Coman, Catherine Tull	San Rafael	LD 45+34	358 Roble-*2814*
Combellack, Fred M.	San Francisco	Cl.Lit. 159+194	311 Sequoia
Combs, Eldredge Ersie	Long Beach	LD 80+19	Phi Delta Theta-*1334*
Comfort, William Jabez	Stockton	LD 43+2	310 Encina-*603*
Compton, Frank Andrew, Jr.	Stirling City	S.Engr. 183+94	241 Toyon-*2668*
A.B., Stanford, 1927			
Cone, Dorothy Hilyard	Carmel	Pol.S. 137+38	Kap. Al. The.-*1336*
[1]Conklin, Charles D.	Oakland	Pre-Med. 113+57	236 Toyon
[4]Conley, Charles Clarence	Ajo, Ariz.	Educ. gr.	700 Amherst, M
Ph.B., Chicago, 1915			
Conn, Claude C.	Greeley, Colo.	Soc.S. 136+120	214 Sequoia-*1053*
[5]Connable, Harry Stanton	Hollywood	Law gr.	502 Encina-*2736*
Ph.B., Yale, 1926			
Conner, Doris Elizabeth	Los Angeles	LD 30+22	382 Roble-*2494*
Conner, Edward	San Jose	LD 90+15	Sigma Chi-*628*
Conner, William Watkins	Modoc, Ind.	Chem. 184+36	Univ. Park-*1682*
A.B., Stanford, 1927			
Conners, George Wilbert, Jr.	Santa Rosa	S.Engr. 186+110	17 Toyon-*1263*
A.B., Stanford, 1927			
[4]Connolly, Anna Josephine	Seattle, Wash.	Fr.gr.	Conv.Sacred Heart,MP-mp
A.B., Loyola, 1924			
Connolly, George A., Jr.	San Francisco	Law 132+13	Phi Kappa Sig.-*1306*
Conradi, Carl	San Francisco	LD 60+18	225 Toyon-*811*
Conron, Calvin Halsey, Jr.	Modesto	Law gr.	316 Union-*577*
A.B., Stanford, 1925, J.D., 1927			
Conron, Harry Maxwell	Bakersfield	Law 180+111	544 Encina-*577*
A.B., Stanford, 1927			
[2]Conrow, Jonathan H.	Cream Ridge, N.J.	LD 27+6	Delta Upsilon-*1353*
Conroy, Edward Harold	Long Beach	LD 92+74	Alpha Sigma Phi-*1357*
Conroy, Thomas Francis, Jr.	Santa Cruz	Pre-Cl. 181+123	311 Toyon-*13*
A.B., Stanford, 1927			
[5]Converse, Carolyn M.	Wellsville, Kans.	Engl. 93·52+59	159 Roble-*1663*
Converse, Edmund Cogswell	Alameda	Econ. 139+116	Zeta Psi-*B*
Cook, Albert Lyle	Los Angeles	M.E. 140+67	107 Sequoia-*2383*
Cook, Alexander J.	San Francisco	LD 90+37	Beta Theta Pi-*1335*
Cook, Richard Crothers	Stockton	LD 49+16	310 Encina-*2002*
Cook, Stanley James	San Jose	Law 7·133+219	127 Branner-*2668*
Cook, William Wallace	Indio	LD 46+21	200 Encina-*2156*
[4]Cooke, Edward Howd, Jr.	Los Angeles	LD 57·72–4	1 San Juan
[12]Cooke, Robert Fielding	Palo Alto	C.E. 90·34+25	319 Escobita-*848*
Cooley, Chester Lynn	Pasadena	Med. gr.	2402 California, SF-sf
A.B., Stanford, 1924			
Coolidge, Coit	Santa Barbara	Engl. 131+69	28 Branner-*144*
[4]Coombs, Samuel W.	Beaumont	Educ. ‡	625 Hale-p
[4]Cooney, Marie Elizabeth	Menlo Park	Engl. gr.	Conv.Sac.Heart,MP-mp
A.B., Loyola, 1925			

[3]Coons, Robert W.	Aberdeen, Wash.	S.Engr.30·69+32	PhiGm.Del.-*1324*
Cooper, Florence E.	Great Falls, Mont.	LD 95+109	Chi Omega-*1386*
[5]Cooper, Helen	Modesto	Engl.-P.Sp.68·100+58	C.Om.-*1386*
Cooper, John Benjamin	Reno, Nev.	Econ. 180+170	137 Toyon-*1514*
A.B., Stanford, 1927			
[5]Cooper, Mary-Virginia	Los Angeles	Engl. 117+35	266 Roble-*94*
Cooper, Thomas Ross	Los Angeles	LD 45+12	434 Encina-*2762*
Cooper, Wil.iam A.	Mountain View	Pre-Med. 151+5	1272 Cal.,MV-mv
Copeland, Alice Bingham	Chico	Fr. 90·45+28	315 Roble-*1254*
Copley, Frank Olin	Burlingame	LD 62+112	1205 Drake, B-b
Copple, Lucille Evelyn	Los Ange.es	Math. gr.	Madroño-3036
A.B., California, Southern Branch, 1926			
[4]Coppock, Alice P.	Albuquerque, N.M.	Span. gr.	167 Roble
A.B., New Mexico, 1927			
Cordry, Vernon	Hayward	LD 49+17	415 Encina-*1494*
[12]Cosgrave, Margaret Eleanor	Fresno	Fr. gr.	Chi Omega-*1386*
A.B., Stanford, 1927			
Cotton, Norman Winfield	Fort Bragg	Educ. 6·144+26	140 Toyon-*543*
Cotton, R. Charmion	Fort Bragg	Hist. gr.	Manzanita-*1337*
A.B., Stanford, 1927			
[5]Coughran, Thomas Bristol	Visalia	Econ. 5·170+17	Kappa Sigma-*1326*
Coverley, Charles Erskine	Los Angeles	LD 41·103+63	Delta Upsilon-*1353*
Coverley, Ruth Rosalind	Hollywood	Phil. 161+157	Pi Beta Phi-*1332*
Cowan, John B.	Johnson City, N.Y.	Educ. 138+76	21 Cabrillo
[124]Cowan, Lester Ty	Los Angeles	Econ. 135·27+21	1500 Univ.-*942*
Cox, Alvin Joseph, Jr.	Palo Alto	Pre-Cl. 188+244	Alpha Kap.L.-*658*
A.B., Stanford, 1927			
[4]Cox, Arthur William	Long Beach	Educ. gr.	557 Hamilton-p
Ed.B., Southern Illinois State Normal, 1924			
[4]Cox, Cora English	San Jose	Educ.gr.	345 E. San Antonio,SJ-sj
A.B., San Jose State Teachers College, 1923			
Cox, Mary Morris	Palo Alto	LD 92+98	1118 Emerson-*1337*
Cox, Wesly Philip	Dallas, Tex.	LD 63·56+9	213 Branner-*1844*
Cozzens, Bradley	San Jose	E.E. gr.	10 Broadway, SJ-sj
A.B., College of the Pacific, 1925; Engineer, Stanford, 1927			
Crabb, Rachel E.	Los Gatos	Pol.S. gr.	Manzanita
A.B., Montana, 1924; A.M., Stanford, 1927			
Crabtree, David M.	San Francisco	LD 40–8	322 Encina-*2731*
[4]Crady, Marie	Palo Alto	LD 11+3	1001 Ramona-p
[5]Craft, Benjamin Cole	Cupertino	Min. 172+57	Kappa Sigma-*1326*
Craig, Carvel Bothin	San Francisco	LD 45+19	230 Encina-*2557*
[4]Craig, Hardin, Jr.	Iowa City, Ia.	Engl. ‡	22 Alvarado
Craig, Homer Theodore, Jr.	Alameda	LD 88+41	Chi Psi-*1648*
[4]Craig, M. Leola	Portland, Ore.	Math. gr.	30 Lasuen
A.B., Oregon, 1925			
[12]Crail, Joe, Jr.	Los Angeles	Law gr.	19 Salvatierra
A.B., California, Southern Branch, 1926			
[12]Crain, Cordelia Dorothea	Berkeley	Engl.gr.	2329 Channing Way, B-b
A.B., California, 1918, A.M., 1919; Ph.D., Stanford, 1927			
Cramer, Elizabeth	Palo Alto	LD 87+19	675 Channing-p
Crandall, Oliver Byrd	San Antonio, Tex.	LD 92+86	318 Lytton-*647*
Crandall,Russell Karl	Klamath Falls, Ore.	S.Engr.50·101+23	18 Branner-*2434*
Crane, Katharine More	Applegate	LD 74+22	Kap. Kap. Gamma-*1354*
Crane, Mary Emma	Turlock	LD 94+60	Chi Omega-*1386*
Crane, W. Edward	Austin, Minn.	Econ. 91·52+36	133 Branner-*2786*

[4]Cranmer, William H., Jr.	Denver, Colo.	LD	124 Encina
Cranston, John Montgomery	Escondido	LD 45·48+93	122 Encina-*2563*
Crary, Leonard Lamson	Burlingame	Span. 124+40	Delta Tau Delta
Crary, Ralph Ward, Jr.	Palo Alto	Chem. 105+99	1861 Waverley-p
Crary, Sherman L.	Boone, Iowa	LD 92+16	Delta Tau Delta-*1363*
[2]Craven, Leonard Thomas	Palo Alto	Econ. 108·82–57	450 Melville-p
[12]Craven, Wilson A.B., Stanford, 1925	Stanford Univ.	Law gr.	508 Encina-*993*
[4]Crawford, Earle Eugene A.B., Michigan, 1919	Napa	Educ. gr.	Menlo Park
Crawford, John Vickers	Glendale	LD 76+4	Chi Psi-*2121*
Creagh, Merrick W., Jr.	San Francisco	Law 171+155	532 Encina-*1781*
Crebs, Edwin, Jr.	Los Angeles	LD 43–12	334 Encina-*2191*
Crebs, Elizabeth Stewart A.B., Stanford, 1927	Los Angeles	Soc.S. 9·171+138	Pi Beta Phi-*1332*
[1]Crebs, William Jones	Los Angeles	Econ. 87–6	Del. Tau Del.-*1363*
Crellin, Earle Adair A.B., Stanford, 1911, Engineer, 1927	San Francisco	E.E. gr.	140 San Fernando, SF-sf
Cressey, Albert Evans	Modesto	Econ. 90·40–17	628 Gilman-p
[3]Creswell, George William A.B., Stanford, 1927	Douglas, Wyo.	Cl.Lit. 135·56+12	304 Union
Creveling, Louis	Pasadena	Econ. 90·45+22	424 Encina-*2331*
Crever, James Willis, Jr.	San Jose	LD 47+51	14 Broadway, SJ-sj
[12]Criley, Theodore, Jr. A.B., Stanford, 1927	Carmel	Mil.S. 5·182+206	114 Encina-*1468*
[12]Crimmins, Edward Custus	San Francisco	Hist. 129+18	Zeta Psi-*B*
Crimmins, Martin Lalor, Jr. A.B., Yale, 1924; J.D., Stanford, 1927	Menlo Park	Law gr.	Atherton-Box 264, mp
Criswell, Howard B.	Dallas, Tex.	Hist. 135·42+35	502 Encina
[4]Crittenden, Howard B., Jr.	San Diego	LD ‡	135 Toyon-*2673*
Croker, Richard Symonds	San Rafael	LD 92+73	333 Waverley
[4]Cronstrom, Lynn Leander	Los Angeles	LD	119 Toyon
Crook, Ernest Edwin A.B., San Jose State Teachers College, 1926; A.M., Stanford, 1927	San Jose	Educ. gr.	511 E. St. John, SJ-sj
Crosby, Peter James	Hayward	LD 78–4	Kappa Sigma-*1326*
Cross, Charles Mumaw	Stanford Univ.	LD 49+36	417 Encina-*1206*
Cross, Charles Warren, Jr.	Ogden, Utah	LD 29–21	247 Encina-*2617*
[12]Croswell, Leslie Dow B.S., Minnesota, 1926	Brainerd, Minn.	S.Bus. gr.	Theta Xi-*1355*
[5]Crow, Mildred Berenice	Marion, Ohio	Pol.S. 38·106+95	249 Roble-*1288*
Crowl, Robert Stevenson	Fresno	LD 45–4	431 Encina-*1022*
Crowson, Richard Winford	Medford,Ore.	LD 45+10	208 Encina-*1014*
[4]Crozier, Wilmot F. A.B., Northwestern, 1909	Osceola, Nebr.	Educ. gr.	940 Scott-p
[5]Crum, Rolland Abbott A.B., Heidelberg, 1926	Tiffin, Ohio	Med. gr.	563 Encina-*980*
Crumly, Harold B.	Woodlake	LD 30–8	345 Encina
[4]Culbertson, George William A.B., Southern California, 1914	Dinuba	Educ. gr.	Mt. View-mv
Cull, James Buente	Yakima, Wash.	LD 45+32	128 Encina-*1522*
Cullinan, Eustace, Jr. A.B., Notre Dame, 1925	San Francisco	Law gr.	1004 Emerson-p
Cullinan, Laurette G. A.B., Stanford, 1926	San Francisco	S.Educ. gr.	12 Mirada-*1337*
Culling, Adelbert Nevin	Beverly Hills	LD 48+58	249 Encina-*2104*

[4]Culp, Estella Bowen — Fresno — Educ. gr. — 225 Roble
A.B., Humboldt State Teachers College, 1926
[12]Cummings, Beulah Mary — Los Altos — Span. 42·148+99 — Los Altos-la
A.B., Stanford, 1927
[3]Cummings, Don Childs — Palo Alto — Econ. 100·58–44 — 833 Lincoln-p
Cummings, Margaret — Emmett, Idaho — LD 42·34+55 — 229 Roble-*703*
Cummings, Robert H. — Palo Alto — Econ. 183+80 — 833 Lincoln-*1363*
A.B., Stanford, 1927
[134]Cummins, J. Ferdinand — Le Grand — Hist. 130+127 — 218 Sequoia
Cummins, Rowan — Long Beach — LD 68–11 — Phi Sigma Kappa-*538*
[4]Cuneo, Angelo Henry — University Park — Law gr. — University Park-*1210*
S.T.B., Catholic University of America, 1922, S.T.D., 1923
Cunning, Helen Ruth — Palo Alto — LD 55·43+38 — 758 Waverley-p
Cunningham, Fred Carl — Terminal — C.E. 135·38+13 — 211 Union
[5]Cureton, Edward Eugene — San Jose — Psych. gr. — 360 N. 16th, SJ-sj
A.B., San Jose State Teachers College, 1925; A.M., Stanford, 1927
[4]Curtis, Joseph Alfred — Boise, Idaho — Hist. gr. — 635 Homer-p
A.B., Idaho, 1924
Curtis, Sue — Redwood City — LD 93+99 — 255 Roble-*684*
Cushing, Maxine Abbott — Hollywood — LD 48+51 — 305 Roble-*2638*
Cutter, Richard Deidrich — Palo Alto — LD 48+82 — 627 Webster-p
Cutting, Windsor C. — Campbell — Pre-Med. 90·50+60 — 408 Sequoia
[23]Cypher, S. Clark — Arcadia — Law 180+51 — 358 Encina-*1304*
A.B., Stanford, 1927
Dahl, Alrich William — San Francisco — LD 17·42–12 — 125 Encina-*2237*
[5]Dahlin, Ebba — Seattle, Wash. — Hist. gr. — Madroño-*971*
A.B., Washington, 1919, A.M., 1922
Dail, William Lester — San Bernardino — LD 46+30 — 118 Encina-*1902*
Dailey, George Simmons — Indianapolis,Ind. — Law gr. — 149 Cowper-*1975*
A.B., Indiana, 1925
Dailey, James S. — Los Angeles — Econ. 95·93+62 — 149 Cowper-*1975*
A.B., Stanford, 1927
Dale, Helen Lois — Palo Alto — Bot. gr. — 1022 Forest Court-p
A.B., Stanford, 1921, A.M., 1923
Dales, John, Jr. — Los Angeles — LD 89+83 — Delta Tau Delta-*1363*
Daly, John Joseph — Salt Lake City, Utah — LD 25·132+0 — Theta Xi-*1355*
[12]von Damm, Helene — San Francisco — LD 74+1 — 369 Roble-*2554*
Danford, William Harwood — Kekaha,T.H. — Bot. 127+41 — Phi Kappa Sig.-*1306*
[4]Daniel, Dwight Crane — Los Angeles — LD — 125 Encina-p
Daniels, John Q. A. — Portland, Ore. — Med. gr. — 1920 Pine, SF-sf
A.B., California, 1921
Daniels, Theodore Thomas — San Francisco — LD 84–11 — Alpha Tau Omega-*1384*
Darling, Seymour V. — San Luis Obispo — Econ. 96·48–10 — Sigma Chi-*1138*
[12]Darlington, Thomas D. — Burley, Idaho — Soc.S.-Jn.9·184+36 — 251Mdfld.-*1771*
A.B., Stanford, 1927
[5]Davenport, Mary Ella — Jackson, Miss. — Hist. gr. — 835 Middlefield-p
A.B., Millsaps, 1925
[13]Daves, Delmer Lawrence — Los Angeles — Law 180+110 — Sig.Alpha Eps.-*1305*
A.B., Stanford, 1927
[5]David, Nelson Binkley — Alhambra — Econ. 176+170 — Phi Del.Theta-*1334*
Davidson, Eleanor — Stanford Univ. — Pol.S. 138+136 — Kap. Al. The.-*1336*
[124]Davidson, He'en — New Westminster,B.C. — Psych. gr. — Manzanita-*1211*
A.B., Stanford, 1924, A.M., 1925
Davidson, Helena Lansing — Santa Barbara — LD 48+35 — 158 Roble-*1008*
Davidson, Horace Lodge — Berkeley — Law 133+20 — Kappa Alpha-*1356*

Davies, David Lloyd A.B., Stanford, 1925, J.D., 1927	Portland, Ore.	Law gr.	223 Sequoia-*976*
Davies, Robert Castle A.B., Stanford, 1926	Los Angeles	M.E. gr.	Kappa Alpha-*1356*
[124]Davis, Burt Lincoln, Jr.	Palo Alto	Econ. 124+57	1505 University-p
[4]Davis, Delos Darwin A.B., Stanford, 1903	Fresno	Educ. gr.	731 Emerson
Davis, Fred Jay	Westwood	LD 94+67	200 Branner-*956*
Davis, Gregory Hensley	Napa	Hist. 123–5	Sig. Alpha Eps.-*1305*
[34]Davis, Harold McDonald B.S., Illinois, 1921	San Diego	Educ. gr.	2 Governor's Ave.
Davis, James Kirkland	San Francisco	LD 88+21	Kappa Alpha-*1356*
[4]Davis, N. Evelyn Ed.B., California, Southern Branch, 1924	Pasadena	Educ. gr.	115 Roble
Davis, Paul Cannell A.B., Stanford, 1927	Cleveland, Ohio	Econ. 188+188	544 Encina-*577*
Davis, Stanley Spencer	Westwood	Pre-Med. 143+116	Pac. Grove-pg
[1]Davis, Wilfrid L.	Los Angeles	Hist. 134+6	189 Cowper-*1151*
[1]Davison, W. Brewster A.B., Stanford, 1927	Carmel	Hist.67·113+135	Alph.Sg.Phi-*1357*
Dawson, John Harlan	Altadena	LD 40·44+31	332 Encina-*586*
[4]Dawson, Olive L.	Palo Alto	LD 13+5	1143 Webster-p
[4]Dawson, Ray Elmer	Santa Ana	LD	127 Encina
[12]Dawson, Robert Alfred	Butte, Mont.	M.E. 85·61+67	210 Toyon
[1]Day, C. Edward	Salinas	Chem. 141+12	856 Middlefield-p
Day, Frank H.	Cananea, Sonora, Mex.	S.Engr. 140+51	121 Toyon-*2301*
[234]Day, Howard C. A.B., Lawrence, 1924; A.M., Stanford, 1926	Lake Geneva, Wis.	S.Biol. gr.	1215 Emerson-*93*
[4]Day, Percival Schell A.B., Michigan State Normal, 1920	Petaluma	Educ. gr.	123 Encina
Dayton, John Gordon	Long Beach	LD 52+45	337 Hamilton-*1295*
Deahl, John Linden, Jr.	San Francisco	LD 41+2	233 Encina
Deahl, Katharine	San Francisco	LD 90+12	Gamma Phi Beta-*1337*
[5]Deal, Bonnye Elizabeth	Pasadena	Psych. 152+216	222 Roble-*1146*
[2]Dean, Ardys A.B., Stanford, 1924	Palo Alto	Engl. gr.	723 Hamilton-*2047*
[23]Dearborn, Terry H.	Blythe	LD 42–5	505 Santa Ynez-*531*
[1]DeCou, Herbert Wesley	San Leandro	LD 55+5	Kappa Sigma-*1326*
[5]DeFrees, John Thomas	Burlingame	Econ. 149+15	Phi Kappa Sig.-*1306*
Deirup, Theodora Edith	Chico	LD 46+52	273 Roble-*1433*
Delatour, Helen	Los Angeles	Fr. 45·111+147	Alpha Omi.Pi-*1367*
Delphey, William E. A.B., Southern California, 1926	Chino	Med. gr.	421 Kipling-p
Demond, Frances Ema	Los Angeles	Math.47·95+53	Gam.Phi Bet.-*1337*
[2]Dennis, Charles M.	Los Angeles	LD 65–31	Alpha Delta Phi-*J*
[34]Dennis, Leah Augusta A.B., Northwestern, 1913, A.M., 1914	El Paso, Tex.	Engl. gr.	Hotel Ramona-p
Dennis, Walter James, Jr.	Portland, Ore.	LD 87+15	135 Branner-*1188*
[5]Denny, Mary Carson	Los Altos	Ed.G.A. 132+45	Delta Gam.-*1366*
Dentraygues, Jean	Burlingame	M.E. ‡ 62–5	450 Melville-*2214*
Desimone, Leon O.	San Francisco	Med. gr.	2098 Pine, SF-sf
[4]DeSombre, William E. Ph.B., Chicago, 1902	Anaheim	Educ. gr.	140 Toyon
[5]Detrick, Foster B.	Palo Alto	LD 144–2	1027 Waverley-*1768*
[4]Devereaux, Helen Agnes	Los Angeles	LD	255 Roble

[4]Devlin, Berchman Rapp	San Francisco	LD	6 Lasuen-*1334*
Devlin, Leo John, Jr.	San Francisco	LD 40+18	432 Encina-*1982*
[4]DeVore, Emily J.	Glendale	Educ. gr.	207 Roble
B.S., Columbia, 1927			
[1]DeWitt, Herbert Fowler	Sutter	LD 42–29	308 Middlefield-*1016*
Dewlaney, Barbara C.	Santa Barbara	Soc.S.-Jn.99·84+107	227 Rbl.-*1039*
A.B., Stanford, 1927			
[1]Dibble, Clyde Arza	Burlingame	LD 60+100	1101 Chula Vista, B-b
[1]Dice, Frank C.	Shoshone, Idaho	Econ. 183+37	Theta Chi-*1383*
A.B., Stanford, 1927			
Dickenson, Charles Wm.	Madison, Tenn.	Law gr.	521 Encina-*1924*
A.B., Stanford, 1926			
Dickey, William James	San Francisco	Pre-Med. gr.	11 Salvatierra-*B*
A.B., Stanford, 1925			
Dickson, Hal Anderson	Midwest, Wyo.	LD 42+10	449 Encina-*2125*
Dietrich, Frank Sigel	Boise, Idaho	LD 43–6	112 Encina-*544*
[5]Dietrich, Harry Fredric	Los Angeles	LD 87+62	Pacific Grove-pg
Dietrich, Stephen Mann	Stockton	LD 41+38	324 Encina
[23]Dietrick, Joseph Sampson	Los Angeles	LD 77–10	Delta Chi-*1304*
DiIullo, Daniel Carlo	Denver, Colo.	LD 45+9	202 Encina-*2001*
[23]Dill, Walter John, Jr.	Los Angeles	LD 75+8	Alpha Sigma Phi-*1357*
Dilley, Clark David	Glendale	Law 145+105	304 Branner-*2426*
Dillon, Edward Thomas	Los Angeles	LD 44+43	432 Encina-*1436*
Dillon, Hazel Bernice	Sacramento	Hist. 181+90	Gam. Phi Beta-*1337*
A.B., Stanford, 1927			
[4]Dimm, Florence Louise	Denver, Colo.	Span. gr.	248 Roble
A.B., Colorado, 1922; A.M., Wyoming, 1923			
Dinsmoor, A. Hale	El Monte	Law gr.	321 Sequoia-*1242*
A.B., Stanford, 1926			
[14]Dinsmore, W .Treat	Riverside	Econ. 72·45+5	Phi Kap. Sig.-*1306*
[134]Ditzler, Frank Wickham	Oakland	Law gr.	Chi Psi-*1648*
A.B., Stanford, 1926			
[13]Dixit, Kauhaiya L.	Buland Shahr, India	LD 3·75–38	1130 California-*1066*
[4]Dixon, Harry Sterling	Knights Landing	LD	139 Encina
[1]Doane, Donald Calvin	Stanford Univ.	LD 87+5	12 Dolores-*1607*
Doane, Graeme Stewart	Pasadena	Phil.9·120+41	Phi Kappa Psi-*1333*
[1]Dobbel, Edith Elizabeth	Palo Alto	Hist. 34·147+73	Gam. Phi B.-*1337*
A.B., Stanford, 1927			
Dobbins, Leslie Edwin	Colusa	M.E. 191+247	221 Toyon-*1468*
A.B., Stanford, 1927			
Dobson, George Palmer	San Jose	Law 137+145	115 Branner-*2668*
Dobson, Leonard Garrard	Fresno	Med. gr.	2209 Buchanan, SF-sf
A.B., Stanford, 1926			
[5]Dodd, Onslow Sinclair	Palo Alto	Law 23·139+66	1020 Ramona-p
[1]Dodds, Alice	San Jose	Span. gr.	Chi Omega-*1336*
A.B., Stanford, 1925			
[23]Doe, Wesley D.	Berkeley	Soc.S. 110·31+26	233 Branner
[4]Doebler, Rotha Gray	Los Angeles	Educ. gr.	Madroño
A.B., Stanford, 1925			
Doerr, Albert Edward	South Pasadena	LD 43+43	206 Encina-*2791*
[5]Doerr, Karl Philip	South Pasadena	Min. 161+89	Delta Kappa Eps.-*O*
[4]Doggett, Margaret Enright	Santa Rosa	Law gr.	30 Lasuen
A.B., California, 1927			
[23]Dohrmann, Jack Fred	San Francisco	LD 5·40–1	302 Toyon
Doll, Cecil Thane	Redondo Beach	Law 128+92	Sigma Chi-*628*
[4]Domoto, Takazo	Oakland	LD	129 Encina

Donan, Frances Margaret — Santa Ana — Econ. 75·42+26 — 269 Roble-*814*
[5]Doner, Sidney Stoddard — Santa Barbara — Econ. 90·46+46 — 1836 Bryant-*2173*
[5]Doran, Madeleine Kathryn — San Diego — Engl. gr. — 379 Roble-*694*
A.B., Stanford, 1927
Dorman, Richard Allen — LaCrosse, Wash. — Econ. 98+18 — 742 Bryant-p
Dorn, Nancy Elizabeth — Kelseyville — LD 93+55 — Sigma Kappa-*1327*
[5]Dotson, George Edgar — Escondido — Educ. gr. — 328 Union-*2344*
A.B., San Diego State Teachers College, 1926
Douglas, Chesley McKinley — San Jose — Law gr. — 1101 S. 1st, SJ-sj
A.B., Stanford, 1924, J.D., 1927
[4]Douglass, Sherman — Huntington Park — Educ. gr. — Union
A.B., Colorado State Teachers College, 1922
[4]Douthart, Roberta Josephine — Long Beach — Educ. gr. — 304 Roble
A.B., Redlands, 1926
Dow, Kenneth Adams — Redlands — Law 130+38 — Alpha Sig. Phi-*1357*
[1]Dow, Lloyd Wilson — Oakland — LD 61–18 — Theta Delta Chi
Dowell, Virgil C. — Lindsay — LD 59+25 — 424 Encina-*736*
[12]Dowling, Robert Russel — Placentia — LD 35–20 — Kappa Sigma-*1326*
[5]Downer, Edward M., Jr. — Mira Vista — Econ. 11·143+54 — The.Del.Chi-*1828*
[124]Downey, Wallace K. — Newman — Law gr. — Delta Tau Delta-*1363*
A.B., Stanford, 1927
Downing, Dorothy — Norman, Okla. — Soc.S. 78·85+53 — Kp.Kp.Gam.-*1354*
Downing, F. Harold — Fresno — Med. gr. — 2215 Buchanan, SF-sf
A.B., Stanford, 1925
Downing, Richard Laver — Norman, Okla. — Econ. 90·39–18 — Phi Gam.Del.-*1324*
[12]Doyle, Elizabeth — Fresno — LD 69+22 — Pi Beta Phi-*1332*
[4]Doyle, Jack — Cincinnati, Ohio — LD — 110 Encina
Doyle, John Kenneth — San Francisco — LD 65+16 — Sigma Nu-*1385*
Doyle, Katherine Edith — Menlo Park — LD 90+38 — Menlo Park-Bx 674, mp
[23]Doyle, Laird Houston — Los Angeles — LD 32+31 — Encina-*837*
Doyle, Morris MacKnight — Berkeley — LD 94+30 — Phi Kappa Sigma-*1306*
[4]Doyle, Virginia — Fresno — Engl. gr. — Pi Beta Phi-*1332*
A.B., Stanford, 1926
Drake, Raymond George — Long Beach — Law 128+19 — Theta Delta Chi-*1828*
Drake, Thomas E. — Palo Alto — Hist. 148+231 — 107 Sequoia-*2137*
[3]Draper, F. Douglas — London, England — Chem. 183+2 — DeltaTauDelta-*1363*
A.B., Stanford, 1927
Draper, Murray — San Bernardino — Law 130+103 — 319 Encina-*2668*
[1]Draper, Ralph Clayton — Palo Alto — Econ. gr. — 731 University-p
A.B., Stanford, 1926
[1]Drasdo, Albert P. — San Diego — Econ. 101·81+115 — 205 Sequoia-*75*
A.B., Stanford, 1927
[1]Dressler, Olie Gaylon — Los Angeles — Chem. gr. — 29 Salvatierra-*2151*
A.B., College of Emporia, 1914; A.M., Stanford, 1926
Drew, Katherine M. — San Francisco — LD 45+33 — 261 Roble
Drew, Viva MacArthur — San Francisco — Hist. 181+88 — Alpha Phi-*1387*
A.B., Stanford, 1927
[23]Driggs, Edwin Ogden — Oakland — LD 35+38 — 325 Encina-*2462*
[4]Driscoll, Alfred Hamilton — Hollywood — Law gr. — 145 Toyon
A.B., California, 1927
Driscoll, John Lawrason — San Mateo — LD 53+10 — Delta Kappa Epsilon-*O*
Driscoll, Thomas Albert — San Mateo — LD 67–6 — Delta Kappa Eps.-*OO*
[1]Drodjin, Alexander J. — Berdiansk, Russia — E.E. gr. — 558 Encina
E.E., Kharkoff (Ukraine) Institute of Technology, 1923; Engineer, Stanford, 1926
Drury, Virginia Helen — Palo Alto — LD 67·38–10 — Roble-*714*

Dua, Mehtab Singh — Shahpur City, India — E.E. gr. — 1127 High
B.S., California, 1925; Engineer, Stanford, 1927
[4]DuBois, Joan Johnson — Woodland — Educ. gr. — 30 Lasuen
A.B., Stanford, 1909
[5]DuBois, Robert — San Francisco — Chem. gr. — 359 Emerson-p
A.B., Ca leton, 1918; M.S., Oklahoma A & M College, 1919
Duckett, Harold Leslie — Hollywood — LD 96–2 — Alpha Delta Phi-*J*
[1]Duensing, Vergil F. — Nebraska City, Nebr. — Chem. ‡ 15+4 — 359 Emerson-p
[23]Duff, Frances Helen — San Jose — Cl.Lit. gr. — Madroño
A.B., College of the Pacific, 1922; A.M., Stanford, 1924
Duhoux, Paul V. — Verviers, Belgium — Geol. gr. — 15 Union-*2683*
E.M., Liége, 1926
[2]Dulfer, Paul Alexander — San Francisco — Hist. 108 — 212 Sequoia-*1038*
[1]Dunbar, Ernest Albert — Stanford Univ. — LD sp. 56+6 — 37 Salvatierra-*A*
[1]Dunbar, William Henry K. — Alameda — Min. 181+46 — Chi Psi-*1648*
A.B., Stanford, 1927
Duncan, Gilmore Adelbert — Mayfield — Educ. 83+23 — 728 California, M-m
Duncan, Harold M. — Los Angeles — LD 45-44+38 — 410 Encina-*505*
[12]Duncan, John Parker — Campbell — LD 56+8 — Theta Chi-*1383*
Duncan, Philip C. — Virginia City, Mont. — Law 182+84 — 305 Sequoia-*646*
A.B., Stanford, 1927
[12]Duncan, Robert Cahoone — Red Bluff — Econ. 180+8 — Delta Kappa Eps.-*O*
A.B., Stanford, 1927
[1]Duncan, Theodore R. — Palo Alto — LD 54-46+32 — 643 High-p
[23]Dunfee, Albert Moores — Oakland — S.Engr. 27-153+161 — 718 Bryant-p
A.B., Stanford, 1927
Dungan, John Anthony — Exeter — LD 92+31 — Kappa Sigma-*1326*
[5]Dunham, O. Berton, Jr. — Brawley — LD 21-48–19 — Alph. Tau Ome.-*1834*
Duniway, John Cushing — Northfield, Minn. — Law gr. — 419 Encina-*65*
A.B., Stanford, 1925, J.D., 1927
[1]Dunkley, Sam Joseph — San Francisco — LD 60+34 — Phi Kappa Sigma-*1306*
Dunlap, John Wilbur — Manhattan, Kans. — Psych. gr. — Univ. Park-*2102*
B.S., Kansas State Agricultural, 1924, M.S., 1926
[5]Dunn, Ailsa Livingston — San Francisco — S.Biol. 138+25 — Alpha Phi-*1387*
[13]Dunn, Edwin Ginnyaun — Canton, China — Educ. 90-49–1 — 168 University-p
Dunn, Frank McAllister — San Francisco — Econ. 108+24 — Alpha Delta Phi-*J*
[2]Dunn, Jack — St. Paul, Minn. — Engl. 105-50–3 — 210 Sequoia
[4]Dunn, Nora Kohen — Pittsburgh, Pa. — Law gr. — Barker Hotel-p
A.B., Colorado State Teachers College, 1917
Dunn, Oliver Charles — Los Angeles — LD 48+44 — 117 Encina-*2211*
[4]Dunn, W. Lee — San Francisco — LD — 20 Alvarado
[4]Dupertius, Jean — Moran School, Wash. — Fr. gr. — 608 Channing-p
A.B., Colorado College, 1914, A.M., 1915
[2]Durbrow, Elbridge — San Francisco — Pol.S. gr. — 639 University-p
Ph.B., Yale, 1926
Duryea, Helena — Palo Alto — LD 93+44 — 308 Roble
Dutton, Gayle Roberds — Los Altos — LD 87+62 — Los Altos-la
[1]Dutton, John Chester — San Francisco — LD 7–14 — 217 Encina-*2028*
Dutton, Mona Bedortha — San Francisco — LD 48+75 — 350 Roble-*2142*
Dutton, S. Fletcher — Carmel Highlands — LD 46+54 — 231 Encina-*1881*
Duval, Eugene Seymour — Ventura — Law 132+111 — Sig. Alpha Eps.-*1305*
[1]Dwire, Harrison Wayne — Ft. Crook, Nebr. — LD 0–14 — 330 Encina
[4]Dyck, Dorothea Lois — Reedley — Engl. gr. — 181 Lytton-p
A.B., La Verne, 1926
[5]Dye, Everette Lee — Plainview, Tex. — S.Biol. 85-100–3 — Theta Chi-*1383*

Dye, Willoughby George — Los Angeles — LD 6–25 — 402 Encina-*526*
Dyer, G. Kimball — Auburn — Law 135+105 — Sigma Nu-*1385*
[12]Dyer, Roger James — Glendora — LD 74–2 — Sigma Alpha Eps.-*1305*
Eakin, Margaret A. — Berkeley — Med. gr. — 2217 Webster, SF-sf
A.B., Pomona, 1922; A.M., Stanford, 1925
Eardley, Carl — Los Angeles — Pol.S. 135·46+34 — 228 Union-*2492*
A.B., Stanford, 1927
[4]Eastburn, Lacey Arnold — Phoenix, Ariz. — Educ. gr. — 275 Homer-p
B.S., Southwest Missouri State Teachers College, 1916; A.B., A.M., Drury, 1917
Eaton, Arthur James — Watsonville — LD 96+57 — Sigma Nu-*1385*
[5]Eaton, Monroe Davis — Stockton — Chem. gr. — 215 Branner-*905*
A.B., Stanford, 1927
[4]Ebert, Eleanor Louise — San Francisco — Educ. 17+11 — 54 Clinton, Rdw.C.-rc
Eckelberry, Orren S. — Lawrence, Kans. — Med. gr. — 1254 Pine, SF-sf
A.B., Kansas, 1923
Ecklon, C. Lawrence — San Francisco — LD 48·62+21 — 302 Encina-*2337*
Eddie, Charles Park — Los Angeles — LD 49+22 — 136 Encina-*907*
[4]Edelman, Bertram Stanley — San Francisco — LD ‡ — 133 Toyon
[4]Edgerton, Harold A. — Columbus, Ohio — Psych. gr. — 205 Union-*2107*
B.S., Kansas State Teachers College, 1924; A.M., Ohio State, 1926
Edgren, Robert Durand — Los Angeles — LD 93+176 — 112 Branner-*1468*
Edinger, Richard Martin — Pasadena — Econ. 101·86+0 — Sig. Al. Eps.-*1305*
A.B., Stanford, 1927
[4]Edington, Anna Leta — Portland, Ore. — Engl. gr. — Roble
B.S., Oregon Agricultural, 1925
Edmiston, Joseph Reynolds — Riverside — Soc.S. 90·91+16 — 125 Branner-*1434*
A.B., Stanford, 1927
Edmonds, R. Ward — Chula Vista — LD 85+33 — Phi Kappa Sigma-*1306*
[23]Edmondson, Horace L. — Alhambra — Econ. 185+0 — Serra
[5]Edson, Charles Farwell, Jr. — Pasadena — LD 113+20 — Serra-*1456*
[5]Edwards, Alice May — San Jose — LD 75+38 — Kap. Kap. Gamma-*1354*
[5]Edwards, Mary Haven — Alameda — S.Biol. 121+114 — 210 Roble-*2593*
Eells, Sarah Lucia — Ross — LD 41+10 — 276 Roble-*2206*
Eells, Walter Crosby — Walla Walla, Wash. — Educ. gr. — 1627 College-*2607*
A.B., Whitman, 1908; A.M., Chicago, 1911; Ph.D., Stanford, 1927
[4]Ehrhorn, Charles S. — Tustin — LD — 127 Encina
[2]Ehrhorn, Jack Macfarlane — Mt. View — Min. gr. — Mt. View-mv
A.B., Stanford, 1924, Engineer, 1927
[5]Ehrman, Alexis Lawrence, Jr. — M'lo Park — LD 70+14 — 111 Toyon-*2046*
Ehrsam, David M. — Enterprise, Kans. — Chem. 5·116+46 — 542 Emerson-p
Ehrsam, Herbert Jacob — Enterprise, Kans. — S.Engr. 90·39+3 — 543 Encina-*1291*
[4]Eidenmuller, Mervyn C. — San Francisco — LD — 126 Encina
Ekblaw, George Elbert — Paxton, Ill. — Geol. gr. — 948 Ramona-p
A.B., Illinois, 1922, A.M., 1923; Ph.D., Stanford, 1927
[5]Eldred, Fred Huestis — Palo Alto — Chem. gr. — 1501 Stanford-*1634*
B.S., Occidental, 1914; A.M., Stanford, 1916
Elgin, Robert Anderson — Palo Alto — Min. gr. — 242 Middlefield-p
A.B., Stanford, 1926, Engineer, 1927
Elias, Ted J. — Los Angeles — Econ. 34·93+13 — 208 Branner-*1115*
[4]Eliassen, Reuben H. — Birmingham, Ala. — Educ. gr. — 123 Encina
A.M., Columbia, 1925
[4]Elkins, John Courtland — Santa Rosa — LD sp. — Mayfield-m
[5]Elkus, Charles Albert — San Francisco — LD 70–2 — 475 Forest-*858*
Eller, Charles Howe — Albuquerque, N.M. — Pre-Cl. 191+50 — Theta Xi-*1355*
A.B., Stanford, 1927

[4]Ellestad, Theodore Alfred Coalinga Educ. gr. 1527 Waverley-p
B.S., Oregon Agricultural, 1916
[5]Ellington, Will Boyd Yuba City Educ. 103·58+27 533 Middlefield-p
[4]Elliott, Jeannette Herriott Portland, Ore. Engl. gr. 203 Roble
A.B., Kansas, 1919
[4]Ellis, Agler Boalt Stockton Law 37· 238 Toyon
[4]Ellis, Reta Evelyn Portland, Ore. LD ‡ 178 Roble
Ellsworth, George Inness Grass Valley Soc.S.-Jn. 91+8 537 Encina-*682*
Elmer, Anton O. Manila, P.I. LD 91+65 764 Channing-p
[1]Elms, Eugene R. Los Angeles LD 11–*23* 1001 Ramona
[4]Elvey, Donald Mitchell Cupertino Engl. 68–4 342 Homer-p
Ely, Bernard Colean Bakersfield LD 90+55 117 Toyon-*996*
Empey, Lucas W. San Francisco Med. gr. 2401 Sacramento, SF-sf
A.B., Stanford, 1924
Emry, Merle Frederic Palo Alto LD 45+55 204 Encina-*2283*
Enderud, Alice Oline Portland, Ore. Fr. 180+176 Sigma Kappa-*1327*
A.B., Stanford, 1927
[1]Endicott, Gilbert R. Long Beach Pol.S. 73·107+94 332 Forest-p
A.B., Stanford, 1927
[2]Endo, Robert Noboru San Francisco LD 12–28 Japanese Club-*385*
[4]Engelcke, Paul H. Los Gatos Chem. 174+163 220 Toyon
Engelhardt, Lloyd F. Hartford, S.D. Math. 140+131 136 Branner-*836*
[5]England, William Henry Ponca City, Okla. Chem. ‡ 80+48 Sigma Chi-*1495*
[12]English, George Duncan San Francisco LD 19–13 322 Encina
[5]Engwicht, Harry San Jose Phys. gr. 405 N. 3d, SJ-sj
A.B., Stanford, 1926
Enright, James R. Santa Cruz Med. gr. 2211 California, SF-sf
A.B., Stanford, 1923
[23]Enterline, Elmer E., Jr. Los Angeles LD 33+37 359 Encina-*1104*
[12]Erickson, Elvira Alida Weed Hist. 130+175 220 Roble-*1286*
[4]Erickson, Etta Louise Porterville Educ. gr. 3 Salvatierra
A.B., South Dakota, 1921
Erlin, Frank William, Jr. Palo Alto LD 47+40 200 Coleridge-p
[1]Erwin, Dean Bonnell Pendleton, Ore. LD 11–4 446 Encina-*2367*
Esberg, Alfred Mendel San Francisco LD 46+35 233 Encina-*2035*
Escher, Earl Winston Prescott, Ariz. Chem. gr. 635 Bryant-p
B.S., Arizona, 1925
[5]Espinosa, Aurelio Macedonio, Jr. Stan.U. Span. gr. 16 Salvatierra-*1555*
A.B., Stanford, 1927
[5]Espinosa, Margarita Stanford Univ. Span. gr. 16 Salvatierra-*1555*
A.B., Stanford, 1927
[4]Espy, Hattie Davis Oroville Educ. gr. 17 Jansing Apts., RC-rc
A.B., State College of Washington, 1921
[5]von Estorff, Fritz E. Potsdam, Germany Geol. 90·51+59 129 Encina-*939*
Etheridge, William B. Signal Mt., Tenn. Law gr. 10 Mirada-*1792*
A.B., Michigan, 1925; J.D., Stanford, 1927
Etter, William Kirby Los Angeles LD 92+108 115 Alma-p
[5]Eubanks, Barbara Ann Palo Alto Engl. gr. Alpha Phi
A.B., Stanford, 1927
[12]Eva, James Meredith San Francisco S.Educ. gr. Phi Sigma Kappa-*538*
A.B., Stanford, 1926
[5]Evans, David LeCount Palo Alto Geol. gr. Alpha Delta Phi-*J*
A.B., Stanford, 1927
Evans, Mariana Riverside LD 47+48 274 Roble-*633*
Evans, Tindall, Jr. Cananea, Sonora, Mex. LD 46+5 244 Encina-*597*
[1]Evans, Wesley Dela Salinas Econ. 105–34 525 Encina-*2668*

[5]Evans, William A. Cananea, Sonora,Mex. Law gr. Phi Kap. Sig.-*1305*
A.B., Stanford, 1927
[5]Everett, Lyle Benton Santa Rosa LD 115+3 Phi Gamma Delta-*1324*
[4]Everett, Ralph Waldo Sacramento Hist. gr. 1641 California
A.B., Stanford, 1903
[4]Ewell, Bernice Charlotte Stanford Univ. Educ. 67·15+9 Wom. Clbhs.-*1007*
[23]Ewell, Robert Offutt San Francisco Econ. 90·29+7 640 Tennyson-p
[4]Ewert, William V. V. Long Beach Hist. gr. 23 Toyon-*2665*
A.B., Stanford, 1926
Ewing, Edwina Palo Alto LD 93+78 Kap. Alpha Theta-*1336*
[2]Ewing, Sydney Clement Stanford Univ. Geol. gr. Palo Alto-p
A.B., Stanford, 1923
Exelby, Paul Los Angeles Pre-Cl. 135·50+34 515 Lytton-p
A.B., Stanford, 1927
[5]Fain, Norman William Prescott, Ariz. Geol. 119+25 Theta Xi-*1355*
[12]Fair, Dorothy Annette San Jose S.Biol. 80·105+85 226 Roble-*1103*
A.B., Stanford, 1927
[3]Fair, Esther Elizabeth San Jose S.Biol. 90·16+19 318 Roble-*1103*
Fairbairn, Edwin Alexander Sacramento S.Engr. 90·48+52 405 Sequoia-*2693*
§[4]Fales, Louis Plimpton Livermore LD 118 Encina
[5]Fall, David Athelstane Portland, Ore. Law gr. Sigma Chi-*628*
A.B., Stanford, 1927
Farewell, Cyrus Oakland Pol.S. 118+78 Kappa Sigma-*1326*
Farmer, Donald Arthur Pratt, Kans. Econ. 97·33–6 Sigma Chi-*1587*
Farmer, Nancy Chloe Alhambra Econ. 135+76 Gam. Phi Beta-*1337*
Farnsworth, Helen C. University Park Econ. gr. Univ. Park-*831*
B.S., Ohio State, 1924, A.M., 1924
Farr, Hannon Barker San Francisco Econ. 180+25 DeltaTauDelta-*1363*
A.B., Stanford, 1927
Farr, Marian Piedmont Engl. 129+66 103 Roble-*664*
Farr, Walter Harold Salinas Med. gr. 2249 Webster, SF-sf
A.B., Stanford, 1924
[5]Farrand, Knox Los Angeles Econ. 126+49 239 Branner-*1971*
Farrington, Theo Kirk San Jose LD 45·38+0 112 Encina-*908*
[1]Farwell, Felix Howes Los Angeles Econ. 49·132+15 Al. Tau Om.-*1384*
A.B., Stanford, 1927
Farwell, Lyndon Los Gatos LD 15·89+56 55 Bdwy.,L.G.-*1821*
[4]Fawcett, Will Mahlon Palo Alto Educ. gr. 847 Bryant-p
A.B., Stanford, 1922
[4]Fay, Sheldon P. Los Angeles Econ. 24·157+108 26 Lasuen
[4]Fechtman, Louise E. Indianapolis, Ind. Span. gr. 219 Roble
A.B., Indiana, 1919; A.M., Columbia, 1925
[5]Fee, Doris Parker Carmel Cl.Lit. gr. 325 Roble
A.B., Stanford, 1927
[23]Feely, Glenn Dixon San Diego Law 40·78+37 203 Toyon
Fell, Walter James Pasadena LD 89+13 Phi Kappa Sigma-*1306*
Fellows, Frederick Dovey Stanford Univ. Pre-Med. 90·94+109 358 Enc.-*2362*
[4]Fennell, Lillian K. Honolulu, T.H. Educ.‡ 229 Roble
Fennemore, Richard M. Phoenix, Ariz. Law gr. Kappa Alpha-*1356*
A.B., Stanford, 1926, J.D., 1927
[5]Fenner, Wilma Palo Alto Cl.Lit. gr. 1010 Forest Court-p
A.B., Stanford, 1927
Fenwick, Barbara Keese San Francisco Engl. 149+144 216 Roble-*2124*
[12]Ferguson, Chesley Gould Berkeley LD 18·43–4 Alpha Sigma Phi-*1357*

§ Deceased July 20, 1927.

Ferguson, Kenneth Loveland A.B., Stanford, 1926	Berkeley	Law gr.	Alpha Sigma Phi-*1357*
[5]Fernelius, W. Conard A.B., Stanford, 1926, A.M., 1927	Ogden, Utah	Chem. gr.	233 Union-*1921*
Ferns, John Hamilton	Burlingame	LD 62+57	1500 Cortez, B-b
[23]Fernstrom, John Archie	Napa	LD 28+8	110 Encina-*2004*
Ferrante, Anthony A. A.B., Stanford, 1925	San Francisco	Med. gr.	158 11th Ave., SF-sf
Ferrante, Peter Joseph	Monterey	Law 153+64	243 Toyon-*43*
[2]Fershstand, John A. A.B., Stanford, 1927	San Francisco	Chem. 135-59+0	529 Encina
Fetzer, Jacob Henry	Lockeford	LD 58+57	425 Encina-*2175*
Fickert, Marshall Marron	San Francisco	LD 84+15	216 Sequoia-*565*
Fickert, Ruth	San Francisco	LD 45+3	260 Roble-*565*
Field, Charles Gerald	Santa Cruz	Econ. 120-50+7	539 Encina
Figel, Clifford Godchaux	San Francisco	LD 110+30	114 Branner-*1323*
[4]Finch, David Ward	Oakland	Engl.-P.Sp.‡	13 Toyon
Finch, Vincent Wellington A.B., Stanford, 1926, Engineer, 1927	Bakersfield	Min. gr.	Theta Xi-*1355*
[12]Findling, Harold	Salt Lake City, Utah	LD 51–3	123 Toyon-*1099*
[4]Fink, Emil Edward	Lodi	LD‡	137 Encina
Finnerty, Georgia Evelyn	Sacramento	LD 48+34	204 Roble-*2306*
[12]Fischbeck,Herbert Eugene	SanFrancisco	LD 24–21	236 Encina
[12]Fischer, Virginia Frances	Palo Alto	Ed. G.A. 127+70	218 Lowell-p
Fisher, Mary Betts	Portland, Ore.	LD 45+16	352 Roble-*671*
[4]Fisher, Motier Harris B.S., Oklahoma A. & M. College, 1917	San Jose	Educ. gr.	39 Encina Ave.-p
[234]Fisher, Philip A.	San Francisco	Econ.135-35+34	35 Kingscote-*2493*
Fisk, John Lee	Beverly Hills	LD 84+13	Kappa Alpha-*1356*
Fitz, Kathleen	Los Angeles	LD 94+91	Alpha Phi-*1387*
[4]Fitzpatrick, Frank Chas. A.B., Stanford, 1923	Roseburg, Ore.	Educ. gr.	406 Ramona
[12]Fitzsimons, Harold A.B., Stanford, 1926	San Francisco	Med. gr.	525 Channing-p
[4]Fix, Evangeline M. A.B., Whitman, 1923	Walla Walla, Wash.	Cl.Lit. gr.	257 Roble
Flaherty, Thomas Chauncey	Riverside	Econ. 142+43	Phi Kappa Sig.-*1306*
Fleishhacker, Herbert, Jr.	Menlo Park	LD 80+16	Kingscote-*1831*
Fleming, Frank Newman	Glendale	LD 47+56	400 Encina-*1891*
Fleming, James Foss	Maui, T.H.	LD 37–1	349 Encina-*585*
Fleming, Jessie Edrie	Sanger	LD 49+62	111 Roble-*2364*
[5]Fletcher, Lawrence Salmons	San Diego	Law 143+45	Phi Delta Theta-*1334*
Flickinger, Don Davis	Los Angeles	LD 91+47	Pacific Grove-pg
[4]Flickinger, Donald A.	Phoenix, Ariz.	S.Engr.‡	Kappa Sigma-*1326*
[1]Flickinger, Glen Marsden Petr. Engr., Pittsburgh, 1924	Roswell, N.M.	Min. gr.	439 Emerson-*826*
[12]Flint, Calvin Charlie	Long Beach	Hist. 49-81+73	Kappa Sigma-*1326*
Flint, Morton Mitchell	Hollister	LD 95+52	216 Sequoia-*2149*
Flohr, Edward M.	Wallace, Idaho	LD 95+83	Phi Sigma Kappa-*538*
Flory, John Winston	Pasadena	Law 137+64	County Road-*1203*
[4]Flynn, Katherine May A.B., Kansas, 1910	Carbondale, Colo.	Span. gr.	379 Roble
Fogg, Jonathan Shearer	Palo Alto	LD 43-22+5	525 W. Crescent-p
[4]Foley, Helen Mary Ph.B., Loyola, 1924	Menlo Park	Cl.Lit. gr.	Sacred Heart, MP-mp

[4]Follett, Zula Myrtle A.B., California, 1920	San Jose	Engl. gr.	Palo Alto-RFD,Bx172,p
Fonda, Charles P.	Inglewood	LD 88+80	Sigma Alpha Eps.-*1305*
Fontaine, George Kingdon A.B., Stanford, 1927	Saratoga	S.Engr.47·134+11	DeltaUps.-*1353*
[3]deFont-Réaulx, Henri	Guadalajara, Mex.	LD 14–11	Palo Alto Ave.
Foote, Hannah Frances A.B., Stanford, 1926, A.M., 1927	Modesto	Span. gr.	Manzanita-*887*
[134]Foote, Lucius Ketchum A.B., Stanford, 1926	Palo Alto	Law gr.	643 High-p
Force, George Heilig	Oakland	LD 99+37	Phi Gamma Delta-*1324*
[23]Force, Lilian L.	Oakland	Engl. 87·66+58	Alpha Omi.Pi-*1367*
Ford, Harriet Allena	Los Angeles	Hist. 148+108	Kap.Kap.Gam.-*1354*
Ford, John Joseph	Los Angeles	Law 3·132+66	214 Toyon-*1816*
Ford, Marian D. E.	San Francisco	LD 47+27	339 Roble-*3020*
[6]Ford, William Francis	Calistoga	E.E. gr.	947 Waverley-p
Fordyce, Dorothy E.	Sunnyside, Wash.	Engl.-P.Sp.139+85	205 Roble-*1301*
Forker, Floyd Wilson A.B., Stanford, 1927	Los Angeles	Econ. 180+47	201 Branner-*1603*
Forker, Paul Welch	Los Angeles	Law 133+28	201 Branner-*1603*
[4]Forney, Burton E.	Waterloo, Iowa	Educ. ‡	Serra-*2541*
[1]Forrest, Edwin Llewellyn	San Francisco	LD 110–26	Beta Theta Pi-*1335*
Forster, Albert Edward	Los Angeles	LD 72+76	Zeta Psi-*B*
Fort, William A.	Los Angeles	LD 105+45	PhiGamma Delta-*1324*
[1]Forth, Jean Kenneth	Midwest, Wyo.	LD 9–12	449 Encina-*1862*
Foster, Frances A.B., Stanford, 1925	Stanford Univ.	Med. gr.	22 Lasuen-*946*
[1]Foster, Robert Sanford	San Francisco	LD 32–15	Beta Theta Pi-*1335*
Fouch, Florence L.	Maxwell	Pre-Med.136+254	102 Roble-*1427*
Foulke, Edson L., Jr.	Yreka	Econ. 128+17	130 Branner-*1667*
[4]Fouts, Wesley Ross A.B., Simpson, 1915	Rialto	Educ. gr.	280 College, M-m
Fowle, John Miller	Los Altos	LD 45+41	400 Encina-*2581*
Fox, Charles Marvin	San Diego	LD 43+21	346 Encina-*2548*
[4]Fox, Clara Dorothy A.B., Iowa, 1922	Mitchell, S.D.	Educ. gr.	150 Church, MV-mv
[4]Fox, Dorothea Bidwell A.B., San Diego State Teachers College, 1926	San Diego	Zoöl. gr.	Pacific Grove-pg
Fox, D. Scott B.S., Cornell, 1913, Ph.D., 1919	Oakland	Med. gr.	5925 Keith,O-o
Fox, Edna Bell A.B., Stanford, 1927	Greeley, Colo.	Hist. 135·51+31	Roble-*1209*
Fox, Irene Henrietta	Greeley, Colo.	Hist. 136+222	Gam.Phi Beta-*1337*
Fox, Stark	Los Angeles	LD 90+48	AlphaTauOmega-*1384*
[5]Fox, Virginia Elizabeth	Portland, Ore.	Pol.S. 108·33+39	332 Roble-*663*
Foxworthy, Herbert Leslie	Hollywood	LD 94+136	210 Sequoia-*1033*
Foye, Charles Edward A.B., Stanford, 1925, J.D., 1927	San Francisco	Law gr.	1300 Emerson-p
Francis, Cyril Chalmers	Los Angeles	Chem. 4·162+85	108 Sequoia-*641*
[4]Francis, Samuel Augustus A.M., California, 1922	San Mateo	Math. gr.	464 Midway, SM-sm
Franck, Fred Christian	Santa Clara	S.Engr.90·46–9	1179 Wash.,SC-sc
[5]Franich, Martin John	Watsonville	LD 15·77+108	258 Toyon-*2281*
[2]Frank, Eddie A.B., Stanford, 1927	Stanford Univ.	Educ. gr.	109 Branner-*80*

[4]Frank, Harry W.	San Francisco	Econ.‡	Lagunita Drive-*B*
Frank, James Eugene	San Francisco	LD 91+24	239 Toyon-*1073*
[4]Frankel, Martin	San Jose	LD‡	Toyon
Frankel, Philip Adolph	Los Angeles	LD 85–17	251 Toyon
[4]Franklin, Harvey B. Ph.B., Chicago, 1911	San Jose	Educ. gr.	251 Singletary, SJ-sj
[12]Franklin, John Curtis A.B., Stanford, 1926	Stanford Univ.	Phys. gr.	Phi Delta Theta-*1334*
Franklin, John Patterson	Palo Alto	Econ. 45·64+54	130 Fulton-p
Fraser, Robert McKibben A.B., Stanford, 1927	Stanford Univ.	Span. 182+162	13 Toyon-*932*
[4]Fraser, William B. Ed.B., Washington, 1922	Port Angeles, Wash.	Educ. gr.	Toyon
Frasse, Irvin Arqués A.B., Stanford, 1926	San Jose	Law gr.	198 S. 10th, SJ-sj
[4]Fratis, Sue Louise	Oakland	Educ. 125·36+43	455 Forest-p
Frazee, S. Robert	San Diego	Econ. 47·82+12	Phi Del. The.-*1334*
Frazier, Alfred E.	Berkeley	Pol.S. 164+100	503 Encina-*707*
Frazier, Wallace Emile	Portland, Ore.	LD 87+59	135 Branner-*2501*
Fredrickson, Robert Lee	San Francisco	Pol.S. 97–3	333 Waverley-p
[4]Fredrickson, William R. B.S., Chicago, 1924, M.S., 1926	Chicago, Ill.	Phys. gr.	243 Toyon
Freedman, Cecil Louis A.B., Stanford, 1927	Los Altos	M.E. 196+254	Los Altos-la
Freeman, Chris	Bakersfield	LD 42·96+5	203 Toyon-*1451*
Freeman, Eugene A.B., California, Southern Branch, 1926	Los Angeles	Med. gr.	635 Bryant-p
[13]Freeman, Marcus Philip	Alameda	M.E. 147–14	Theta Xi-*1355*
Freeman, William Bogle	Seattle, Wash.	LD 45+36	215 Encina-*2692*
[5]Freidenrich, David A.B., Stanford, 1926	San Francisco	Law gr.	324 Union-*1180*
[5]French, Andrews Carroll	Sacramento	Engl. 49·58+27	Kingscote
[4]French, Delbert Ransom A.B., Reed, 1915	Menlo Park	Soc.S. gr.	Marsh Road, MP
French, Dorothy May	Los Angeles	Span. 142+256	112 Roble-*513*
French, Henry Dearborn A.B., Pomona, 1925	Riverside	Law gr.	628 Webster-p
[23]French, Richard Louis	Los Angeles	LD 31+32	350 Encina-*881*
French, Walter Gordon	Hollywood	LD 92+34	220 Toyon-*2668*
Frentrup, Ralph Lud	Berkeley	LD 41+1	425 Encina-*2119*
Frey, Richard Clark	Palo Alto	LD 92+36	616 Forest-*1493*
Frick, Barbara	Los Angeles	LD 86+123	Kap.Alpha Theta-*1336*
Frick, Madeline	Los Angeles	Psych. 133+191	Kap.AlphaT.-*1336*
[1]Friedstrom, Carl Richard	Palo Alto	LD sp. 0–13	425 Fulton-p
Frisbee, Lynn Buck	San Francisco	LD 54+0	943 Bryant-p
Fritschi, Alfred M.	San Francisco	LD 41–13	1001 Cowper-*1047*
Fritts, Don E. A.B., Stanford, 1927	Paradise, Kans.	Econ. 184+59	320 Encina-*1304*
Frohlich, Irving Albert	San Francisco	LD 21·47–1	25 Salvatierra-*2197*
Frost, Benjamin Burt	Los Angeles	LD 51+30	316 Encina-*2521*
Frost, Daniel James	Santa Cruz	LD 89+7	Phi Delta Theta-*1334*
[5]Fry, Donald Hume, Jr. A.B., Stanford, 1927	S. Pasadena	Zoöl. gr.	313 Union-*2606*
Fry, Edwin Allen	Oroville	LD 25–21	70 Waverley Oaks-*2101*
Fry, Leland Ray	Saratoga	LD 48+2	Saratoga-s

[5]Fry, Marietta	Denver, Colo.	Law 138+72	KappaKap.Gam.-*1354*
[23]Fry, Orvin Philip	Benicia	Chem. 5·191–6	615 University-p
Fry, Percy William	Saratoga	LD 33–21	Saratoga-s
Frye, Frank Brewster	Redlands	LD 85·100–21	Alpha Sig.Phi-*1029*
Fuendeling, Mervyn J. A.B., Stanford, 1924	San Francisco	Med. gr.	536 5th Ave., SF-sf
Fuendeling, Valdi Bush A.B., Stanford, 1924	San Francisco	Med. gr.	536 5th Ave., SF-sf
[2]Fuller, Charles Atwood	Detroit, Mich.	Math. 77·117–7	333 Union-*2161*
Fuller, Douglas R.	Stockton	Econ. 24·104+198	212 Branner
[12]Fulmor, Theodore G. A.B., Stanford, 1927	Anaconda, Mont.	Chem. 23·160+89	314 Sequoia
Funk, Kenneth Boucher	Los Angeles	LD 87+25	216 Toyon-*1847*
[4]Furgason, Waldo H. A.B., St. Olaf, 1924	San Diego	Zoöl. gr.	Pacific Grove-pg
[4]Furnas, Edith Ph.B., Earlham, 1897	Pasadena	Fr. gr.	339 Roble
Gafford, James Albert A.B., Whittier, 1926	Huntington Park	Med. gr.	563 Encina-*146*
Gagos, Hubert Kisag	San Francisco	LD 44+51	17 Encina-*2136*
Galbraith, Donald Bennett	Bakersfield	LD 38–3	362 Encina-*2212*
[5]Galbraith, Howard John	Bakersfield	LD 74–12	228 Branner-*2212*
[12]Galbraith, William K. A.B., Michigan, 1923; J.D., Stanford, 1927	Calumet, Mich.	Law gr.	317 Union-*1164*
[5]Gale, Hoyt Rodney A.B., Harvard, 1926	Los Angeles	Geol. gr.	214 Union-*902*
[1]Gallagher, Florence Rowe A.B., Stanford, 1927	Ely, Nev.	Soc.S.-Jn.64·118+155	202Rob.-*1573*
[12]Gallagher, Hubert R.	Gd. Junction, Colo.	LD 74+29	Delta Tau Delta-*1363*
Gallagher, Wallis Edgar	Los Angeles	LD 85·50+9	543 Encina-*1855*
Gallery, Fred Julius	Oakland	Econ. 149+30	129 Branner
Galliher, Edgar Wayne	Palo Alto	LD 94+46	528 Byron-p
[12]Gammill, Leland Andrew	Santa Barbara	LD 45·15+10	110 Encina-*1097*
Ganaway, Loomis M.	Crown Point, N.M.	Engl. 91·42+26	314 Union-*2048*
Gandy, Robert Arvon A.B., Stanford, 1927	Santa Monica	Hist. 180+70	234 Union-*1974*
[1]Gardescu, Ionel Jacques S. Petr. Engr., Pittsburgh, 1922	Palo Alto	Min. gr.	559 Cowper-p
Gardner, Edwin Alton	Ventura	Pol.S. 117+57	315 Everett-*531*
Gardner, Edwin Lee	Ventura	LD 103–22	218 Toyon-*2021*
Gardner, Thomas Lemuel	Bakersfield	LD 91+51	635 Bryant-*2487*
Garibaldi, James Donald	Merced	Law 131+113	PhiDeltaTheta-*1334*
Garibotto, Merven John	Stockton	LD 48+7	324 Encina-*2533*
Garner, Leslie William	Baldwin Park	LD 95+22	248 Toyon-*2783*
Garnett, Ernest Edwin, Jr. A.B., Stanford, 1927	San Diego	C.E. 97·101+145	514 Encina-*2728*
[234]Garnier, Dorothy Vivian	Los Angeles	Engl.-P.Sp.92·29+39	329Rob.-*2144*
[5]Garnjobst, Laura Flora B.S., Oregon State Agricultural, 1922	Salem, Ore.	Zoöl. gr.	Madroño-*1158*
[4]Garrett, Lula May A.B., California, 1922	Ashdown, Ark.	Hist. gr.	311 Roble
Garrison, Helen A.B., Des Moines, 1923; A.M., Stanford, 1927	Caldwell, Idaho	Educ. gr.	Manzanita-*1005*
[4]Garrison, Margaret F.	Caldwell, Idaho	Educ. 5–2	Roble-*1005*
[1]Garthwaite, John Gilbert	Berkeley	Econ. 124–5	Kappa Alpha-*1356*

[1]Gaspar, Jack McClain	Santa Barbara	LD 5–16	110 Encina-*2037*
Gaspar, Louis A. R.	Honolulu, T.H.	Med. gr.	2209 Buchanan, SF-sf
A.B., Stanford, 1926			
Gatch, Jeannetta Allen	Fresno	LD 11·87+87	*367* Roble
[12]Gatley, Miriam	Englewood, Colo.	Engl. gr.	Manzanita
B.S., Colorado Agricultural, 1922			
Gattone, Edmond	Los Angeles	Econ. 97·48+44	24 Branner-*988*
[4]Gault, Francis Noble	Porterville	Educ. gr.	616 Forest-p
B.S., Ohio Wesleyan, 1904			
[4]Gault, Viva Glen	Porterville	Educ. gr.	616 Forest-p
A.B., Colorado, 1906			
Gaw, Harold P.	Naturita, Colo.	Min. 152+50	302 Branner-*914*
[5]Gaw, Murray Edward	Berkeley	Econ. 85·44+24	841 Bryant-p
George, George Rodney	San Francisco	Econ. 181+31	110 Toyon-*2668*
A.B., Stanford, 1927			
[5]George, Graham Dexter	Santa Barbara	LD 86·25–17	*27* Salvatierra-*2826*
[4]George, Guy G.	Coeur d'Alene, Idaho	Educ. gr.	Stanford Univ.
B.S., Whitman, 1913			
[4]Gerlough, Ludwig Sherman	Kelso, Wash.	Hist. gr.	760 Homer-p
A.B., Idaho, 1909			
[4]Gerrish, Paul Herbert	Redwood City	Math. gr.	605 Hopkins, RC-rc
B.S., Dartmouth, 1919			
[12]Gerstenkorn, Henry A., Jr.	Los Angeles	LD 29–20	*23* Encina-*1466*
Gibbons, Henry	San Francisco	Pre-Cl. 185+123	*229* Branner-*2441*
A.B., Stanford, 1927			
Gibbons, Lewis Alberto	So. Pasadena	Law gr.	Sig.AlphaEpsilon-*1305*
A.B., Stanford, 1925, J.D., 1927			
Gibbons, M. Beulah	San Francisco	Ed.G.A.37·70+13	Kp.K.Gam.-*1354*
Gibbs, Allison Johnson	Manila, P.I.	LD 115+127	Delta Chi-*1414*
Gibbs, Finley Johnson	Manila, P.I.	LD 50+91	34 Lasuen-*1414*
Giberson, Merrill Bennett	Richmond	LD 86+4	657 Channing-p
[4]Gibson, Robert Earl	Oakland	Educ. gr.	114 Toyon-*2804*
A.B., Valparaiso, 1919			
Gibson, Samuel Gion	Oakland	LD 28–26	248 Encina-*2127*
Gibson, Thomas Benton, Jr.	Wilmette, Ill.	LD 91+27	Chi Psi-*1648*
[12]Giffen, Frances R.	Fowler	Econ. 70·40+70	*271* Roble-*2314*
Giffen, Hilliard Roy	Fowler	LD 95+156	116 Branner-*2314*
Gifford, John P.	Berkeley	Zoöl. 23·134+0	306 Toyon-*606*
Gilbert, Gordon L.	Huntington Park	LD 39+15	447 Encina-*1761*
[1]Gilbert, Walter Eugene	Los Angeles	Law 81·75–2	Cardinal Hotel
[5]Gilbert, William I., Jr.	Los Angeles	Phil. 109+25	Delta Upsilon-*1353*
[4]Gilkey, Marian I.	Palo Alto	LD‡	1212 Fulton-p
[5]Gill, Francis	Indianapolis, Ind.	Law gr.	14 Union-*725*
A.B., Stanford, 1927			
[13]Gill, Partab Singh	Amritsar, India	E.E. gr.	1130 California
B.S., California, 1926			
Gillespie, John Wynn	Albany, Ga.	Bot. gr.	214 Union-*1953*
B.S., Georgia, 1923; A.M., Stanford, 1926			
Gillett, Andrew Lewis	Carmel	S.Engr. 180+74	Theta Xi-*1355*
A.B., Stanford, 1927			
Gillett, Thomas Robert	Carmel	S.Engr. 180+29	Theta Xi-*1355*
A.B., Stanford, 1927			
[234]Gilman, John Cary	San Francisco	LD 26–15	138 Encina-*3017*
[234]Gilman, Philip K., Jr.	San Francisco	LD 9–14	138 Encina-*3017*
Gilmour, Craddock	Price, Utah	LD 48–15	43 Encina-*2122*

[12]Gimblett, Charles Alfred	Rio Linda	Pol.S. 90·27–15	27 Encina Ave.-p
[1]Gingles, Julian Johnston	Santa Cruz	LD 37–29	1438 El Camino, M
Gist, Adèle Gilman	San Diego	LD 46+70	267 Roble-*2813*
Givens, John Alfred	Portland, Ore.	LD 50–2	405 Emerson-p
[1]Gladding, Helen Adeline A.B., Stanford, 1927	Lincoln	Span. 180+42	Alpha Omi.Pi-*1367*
[5]Glade, H. Alexander	Palo Alto	Chem. 142+27	461 Homer-p
Gledhill, Donald	Denver, Colo.	Soc.S.-Jn. 118·54+27	319 Union
Glen, William A. A.B., Stanford, 1927	Rock Springs, Wyo.	Law 180+91	211 Sequoia-*1242*
[4]Goddard, Glenn William A.B., Stanford, 1925	Corcoran	Educ. gr.	311 Toyon
Godsol, Major Bryant	Los Angeles	LD 89+43	249 Toyon-*2118*
[1]Goebel, Erwin J.	Des Plaines, Ill.	Soc.S.‡15+15	359 Emerson-p
[5]Golden, John Richard	San Francisco	Pol.S. 137+120	107 Branner-*912*
Goldie, Edward James	San Francisco	LD 23+5	357 Encina-*1018*
Goodcell, Don H.	San Francisco	LD 60–2	Delta Chi-*1304*
Goodcell, Roscoe Adams	Los Angeles	LD 89+20	Delta Chi-*1304*
[12]Gooden, Carolyn Frances A.B., Stanford, 1927	Los Angeles	Cl.Lit.21·174+311	200 Roble-*657*
Gooden, Robert Burton, Jr.	Los Angeles	LD 95+33	138 Toyon-*657*
[5]Goodloe, Thomas Meade	Hollywood	LD 5·147+103	238 Toyon-*2164*
[4]Goodspeed, Barton A.	Miami, Fla.	LD	321 Lytton
Goodwin, Albert B. A.B., Stanford, 1927	Gilroy	C.E. 192+97	226 Toyon
Goodwin, Ewart Wade	San Diego	LD 84+15	Zeta Psi-*B*
[5]Goodyear, Ellsworth S. A.B., Friends, 1926	Wichita, Kans.	Chem. gr.	324 Waverley
Googin, Thomas M. A.B., Stanford, 1927	San Rafael	S.Engr. 181+95	237 Toyon-*614*
[4]Goold, John Vernon A.B., Stanford, 1920	Morgan Hill	Educ. gr.	247 Toyon
[1]Gordon, Isabella B.Sc., Aberdeen, 1922	Keith, Scotland	Zoöl. gr.	HopkinsMar.Sta.,PG-pg
Gordon, Morris A.B., Stanford, 1925	San Francisco	Med. gr.	199 Capistrano, SF-sf
*[3]Gores, Walter W. J. A.B., Stanford, 1927	Los Angeles	Ed.G.A. gr.	316 W.59th Pl., LA-la
Gorham, Curtis B. A.B., Stanford, 1924	San Diego	Med. gr.	2215 Buchanan, SF-sf
Gorham, Henry Douglas	San Francisco	LD 85+8	Redwood City-Bx 195,rc
[1]Gowell, Francis Winchester	Palo Alto	Geol. 156–25	538 Cowper-p
[4]Gower, Frances Anna A.B., Stanford, 1913, A.M., 1914	Santa Barbara	Span. gr.	382 Roble
[5]Graff, Frederic Easton	Pasadena	Econ. 90+4	Sigma Chi-*628*
[1]Graham, Alden Gerard LL.B., Stanford, 1927	Portland, Ore.	Law 32·174+119	Zeta Psi-*B*
Graham, Kenneth Campbell A.B., Stanford, 1927	Santa Monica	Econ. 181+43	Phi Kap.Sig.-*1306*
[5]Gramatky, Bernhard A.	Wilmar	LD 45–10	202 Encina-*1262*
[12]Grannis, Edward Warren, Jr.	L. Angeles	LD 58·34–20	Delta Chi-*1304*
Grant, J. A. Clifford A.B., Stanford, 1924, A.M., 1925, Ph.D., 1927	Los Angeles	Pol.S. gr.	13 Union-*137*
[4]Grant, Joseph Foster	San Diego	LD	105 Encina
Grant, Ulysses S., IV A.B., Harvard, 1915	San Diego	Geol. gr.	1137 Oxford, B-b

[13]Grant, Warren E.	Youngstown, Ohio	Hist. 111+14	Cardinal Hotel
[4]Gratiot, C. Louise	Nevada, Mo.	Educ. 7–12	221 Roble
Gratiot, John Hempstead	Pacific Grove	Pre-Med. 90+44	407 Sequoia
Graun, Richard Ernest A.B., California, 1923	Berkeley	Med. gr.	129 Emerson-p
[4]Graves, Albert Donavan A.B., Stanford, 1926	Whittier	Educ. gr.	205 Oak-*1186*
[5]Graves, Bernice C. A.B., West Texas State Teachers College, 1918	Plainview, Texas	Psych. gr.	170 Hawthorne-*625*
[12]Graves, David Dunbar A.B., Stanford, 1927	Los Angeles	Econ. 180+12	Delta Kappa Eps.-*O*
[12]Graves, John Hiram	Willows	Law 130+5	Theta Delta Chi-*1387*
Gray, Carol Ross	Los Altos	LD 91+77	Kap.Alpha Theta-*1336*
Gray, Dorothy Sewell	Stanford Univ.	LD 99+1	22 Alvarado-*1155*
Gray, Earl H. A.B., Stanford, 1925	San Francisco	Med. gr.	2203 Buchanan, SF-sf
[12]Gray, John Berry	Los Angeles	LD 17–24	209 Encina-*2107*
Gray, Stewart	Benicia	S.Engr. 133+23	320 Sequoia-*1222*
Gray, Sydney MacLean	Stanford Univ.	LD 89+10	Kappa Alpha-*1155*
[5]Green, Albert Vernon A.B., Stanford, 1921	Palo Alto	Law gr.	777 Bryant-p
Green, Bert Marion A.B., Stanford, 1926	Fresno	Law gr.	Theta Chi-*1383*
Green, Carl Edwin	Los Angeles	C.E. 154+174	134 Branner-*2701*
Green, Elizabeth Allen A.B., Stanford, 1927	Palo Alto	Bact. 48·135+115	971 Cowper-*1371*
Green, G. Garner A.B., Stanford, 1927	Los Gatos	E.E. 181+118	242 Toyon-*1141*
[12]Green, John Harrington	New York, N.Y.	LD‡10–32	537 Encina-*2735*
Green, Oscar Fredric A.B., Rice Institute, 1916; A.M., Stanford, 1927	Palo Alto	Phil. gr.	555 Waverley-p
[4]Greene, Florence Virginia A.B., Idaho, 1926	Salmon, Ida.	Span. gr.	Pi Beta Phi
[124]Greene, Ronald Rowe	Spokane, Wash.	LD 67+12	Theta Chi-*1383*
Greene, Virginia Marion	Ogden, Utah	Hist. 142+163	Gam.Phi Beta-*1337*
Greene, William Sumner	Pasadena	LD 46+67	406 Encina-*1285*
Greenfield, Charles Edward, Jr.	Ross	LD 45+17	120 Encina-*2621*
Greenhalgh, Howard C.	Jackson	S.Engr. 137+73	106 Sequoia-*2143*
[12]Greenlee, O. Daniel	Middletown, Ind.	LD 61–23	207 Sequoia-*834*
[5]Greenwood, Vernon A.B., Stanford, 1927	Vallejo	Educ. gr.	El Cam.Real, M-m
Gregg, Douglas Clark	Pasadena	LD 45+20	227 Encina-*567*
[4]Gregory, Gertrude Evelyn	Stanford Univ	LD‡26–11	14 Cabrillo-*1588*
[12]Gregory, John Munford A.B., Stanford, 1927	Palo Alto	Phil. 43·140+21	436 Waverley-p
Gregory, Richard Merrill A.B., Stanford, 1927	Fullerton	Econ. 135·46+0	Phi Gam.Del-*1324*
Greisser, Arthur H.	Spokane, Wash.	M.E. 164+65	Sigma Nu-*1385*
[5]Greisser, Victor P. A.B., Stanford, 1927	Spokane, Wash.	Ed. G.A. gr.	Sigma Nu-*1385*
Greninger, Alden B.	Antofagasta, Chile	Min. 124+47	312 Sequoia-*1791*
[12]Greppin, Ernest Haquette A.B., Stanford, 1927	Los Angeles	Econ.76·107+17	AlphSig.Phi-*1357*
Grey, Elaine Alethea	Alameda	Hist. 108+55	208 Roble-*2242*
[5]van de Griendt, Gerald H. A.B., Stanford, 1925, Engineer, 1926	Los Gatos	Chem. gr.	129 Emerson-*874*

[4]Griesser, Robert Albert — Visalia — Educ. gr. — 226 Toyon
Ph.B., Syracuse, 1904
[234]Griffin, Harold — Los Angeles — LD 15·28+28 — 45 Encina
[2]Griffith, Edgar Gordon — Pasadena — LD 22–10 — 136 Encina-*2664*
[5]Griffith, John Hughes — Silver City, N.M. — Chem. gr. — 26 Alvarado-*2343*
A.B., Miami, 1921; A.M., Ohio State, 1922
[4]Griffith, Mary Alice — Silver City, N.M. — Educ. gr. — 171 Emerson-*2343*
A.B., New Mexico State Teachers College, 1925
[4]Griffiths, John F. — Lawrence, Kans. — Span. gr. — 369 Forest-p
A.B., Kansas, 1924, A.M., 1925
[12]Grimes, Mark Blandell — Palo Alto — Econ. 135·48+15 — 712 Waverley-p
A.B., Stanford, 1927
Griswold, Gale Charles — Modesto — Chem. gr. — 557 Encina-*938*
A.B., Stanford, 1925, A.M., 1926
[12]Griswold, Hugh Harris — Modesto — Law gr. — 847 Bryant-p
A.B., Stanford, 1927
[34]Griswold, Marjorie B. — Port Clinton, Ohio — Fr. 30·105+99 — 251 Roble
Groenewegen, Cornelis E. — Santa Monica — Econ. 95·51+4 — Phi Gamma Delta
Groff, Ellis John — Sacramento — Econ. 90·38+31 — 406 Sequoia-*1126*
Grosfield, Inez Katherine — Los Angeles — Hist. 51·129+112 — DeltaGam.-*1366*
A.B., Stanford, 1927
Gross, Merle Roscoe — Modesto — Hist. 90·48+40 — 408 Encina
Grossman, Carolyn Clapp — Santa Barbara — Fr. 43·137+124 — Del.Del.Del.-*1325*
A.B., Stanford, 1927
Grove, Ruth Dorothy — Madera — Math. 98·51+81 — 346 Roble-*2217*
[5]Grover, Charles — Colorado Springs, Colo. — Educ. gr. — Madroño-*1351*
B.S., Baker, 1908; A.M., Denver, 1916; A.M., Stanford, 1927
Grow, S. Leslie — San Mateo — Engl.90·49+39 — 337High'd,SM-sm
[4]von Grueningen, John Paul — Pasadena — Germ. gr. — 224 Toyon
A.B., California, 1916, A.M., 1923
[1]Gruss, Francis Kinsey — Redwood City — Chem. 114·67+7 — EmeraldL.,RC-rc
A.B., Stanford, 1927
[5]Grutzmacher, Robert Lee — Los Angeles — S.Engr. 5·161–6 — 137 Toyon-*1642*
Guffin, Ernest Ellsworth — Mankato, Kans. — LD 101–11 — 202 Union-*1057*
Guggenhime, Richard E. — San Francisco — LD 80+115 — 128 Branner-*1624*
[4]Guittard, Francis Gevrier — Waco, Tex. — Hist. gr. — 228 Toyon
A.M., Chicago, 1902
[12]Gundry, Leslie Melvin — Galena, Ill. — Law gr. — 305 Lytton-*1357*
A.B., Iowa, 1925
[23]Gunn, Robert Mackelean — Sausalito — C.E. 83–9 — Phi Kappa Sigma-*1306*
[4]Gunnerson, Flora Adair — San Jose — Soc.S. gr. — 1027 Bryant-p
A.B., Harris Teachers College, 1920
Gunsolus, Mate — Palo Alto — LD 60+91 — 455 Forest-p
[4]Gurney, Bernyce Isabelle — Oakland — LD‡ — 308 Roble
[4]Gustafson, Henry A. B. — Hibbing, Minn. — Educ. gr. — 6 Lasuen-*1334*
B.S., Minnesota, 1925
[4]Guthrie, Jane Kirk — Ross — LD — 312 Roble
Guthrie, Frank Donald — Mountain View — Econ. 132+54 — Mountain View-mv
[13]Gyde, James E., Jr. — Wallace, Idaho — Law 91·131–20 — 330 Embarcadero-p
Haage, Delbert O. — Forest Grove, Ore. — Zoöl. gr. — 443 Kipling-p
A.B., Stanford, 1926, A.M., 1927
Habegger, James Arnold — Oakland — Soc.S. 183+49 — Chi Psi-*1648*
A.B., Stanford, 1927
[12]Habegger, William B. — Los Angeles — LD 14–1 — 209 Encina-*2039*
Hackendorf, Mary Elizabeth — Tulsa, Okla. — Engl. 133·48+48 — 256 Roble-*593*
A.B., Stanford, 1927

Hadenfeldt, Charles T.	Oakland	LD 50–7	327 Encina-*2795*
[5]Haga, Russell Martin	Sioux Falls, S.D.	LD 44–6	800 University-*2612*
Hagbom, Nelden Andolf A.B., Stanford, 1927	San Francisco	C.E. 201+146	Al.Tau Ome.-*1384*
[4]Hagelin, Clarence Elmer B.S., Nebraska, 1917	San Jose	Educ. gr.	815 S. 12th, SJ-sj
Hahn, Albert Payer	San Francisco	M.E. 136–*2*	139 Toyon-*1080*
Haider, Michael Lawrence A.B., Stanford, 1927	Los Angeles	Chem. 135·57+8	205 Union-*2257*
[5]Haizlip, Raymond A.B., Stanford, 1922	Stanford Univ.	Law gr.	Phi Gamma Delta-*1324*
Haley, Francis Everett	Santa Monica	LD 33+6	118 Encina-*2592*
Haley, William Harrison, Jr.	Fresno	E.E.‡55+25	404 Sequoia
[4]Hall, Alton L. A.B., Colgate, 1902	Bishop	Educ. gr.	141 Encina
[4]Hall, Cecile Belknap	Los Gatos	Educ. 16+16	Los Gatos-lg
[5]Hall, Gordon, Jr.	Berkeley	Hist. 119+158	Phi Gam.Delta-*1324*
Hall, Joseph S.	Los Angeles	Cl.Lit. 121+146	216 Branner-*64*
[23]Hall, Lawrence Belknap	Los Gatos	LD 70+0	Delta Chi-*1304*
Hall, Lieuallen Jackson	Healdsburg	LD 54+67	244 Webster-p
[4]Hall, Marshall Spencer	San Jose	LD ‡	1340 Alameda, SJ-sj
[4]Hall, Muriel Elizabeth A.B., Stanford, 1916	San Mateo	Ed.G.A. gr.	Roble
Hall, Nason E.	Long Beach	LD 50+4	13 Encina-*2335*
Hall, Victor Ernest A.B., Stanford, 1922, A.M., 1925	Palo Alto	Med. gr.	735 Middlefield-p
[1]Hall, William Louis	Palo Alto	LD 64–29	304 Waverley-*154*
Halley, Andrew Stanton A.B., Stanford, 1927	Modesto	Econ.Acct.90·93+96	305 Bran.-*863*
Halley, James Woods	Rapid City, S.D.	LD 88+27	808 Waverley-*817*
[5]Hallman, Frances Adah	Orange	Bact. 90·46+7	165 Roble-*928*
Hallman, Lois Field A.B., Stanford, 1927	Orange	Chem. 90·92+34	168 Roble-*928*
Halsted, A. Stevens, Jr.	Pasadena	LD 93+104	307 Branner-*82*
[5]Halsted, Eminel Potter	San Francisco	LD 53–6	Kappa Sigma-*1326*
[12]Halverson, Cut'er W. A.B., Stanford, 1925, J.D., 1927	Oakley, Idaho	Law gr.	Phi Sigma Kappa-*538*
[4]Ham, A. Elizabeth A.B., Stanford, 1921	Los Gatos	Educ. gr.	Los Gatos
Haman, John O.	San Francisco	LD 28·59+51	125 Encina-*2465*
[4]Hambleton, Frances Frazier A.B., Stanford, 1920, A.M., 1923	Palo Alto	Pol.S. gr.	370 Channing-p
Hamblin, Donald William	Pasadena	LD 91+116	Phi Kappa Sigma-*1306*
[12]Hamilton, Edward Morse	San Francisco	LD 45·76+1	Sig.Alpha Eps.-*1305*
Hami'ton, Fay Dunn	Tulsa, Okla.	Span. 142+164	Delta Gamma-*1366*
Hamilton, Luke Munro A.B., California, 1925	Oakland	Med. gr.	2295 California, SF-sf
Hamlin, John Hackney	Pasadena	LD 45+67	44 Encina-*1646*
Hamlyn, John J., Jr.	San Francisco	Law 152+80	258 Toyon-*2376*
[4]Hamm, Mary Alice A.B., Oregon, 1921	San Jose	Engl. gr.	513 S. 10th, SJ-sj
[12]Hammer, Otto A.B., Stanford, 1927	Los Angeles	M.E. 214+51	Kappa Alpha-*1356*
Hampton, Hugh Henderson A.B., Stanford, 1927	La Habra	Econ. 90·91+85	317 Sequoia-*2168*

[12]Hampton, Lucy Jeston — Edmond, Okla. — Hist. gr. — Kingscote
A.B., George Washington, 1914; A.M., Columbia, 1918

Hanak, Norman William — San Francisco — Econ. 180+242 — 107 Branner-*1611*
A.B., Stanford, 1927

Hancock, Joseph Rainey — San Jose — Law 180+72 — 133 Toyon-*1855*
A.B., Stanford, 1927

[12]Handy, Etta Howes — Stanford Univ. — S.Bus. gr. — 215 Santa Ynez-*869*
B.S., State College of Washington, 1921

Hanify, Francis Ryder — San Francisco — Law 130+54 — Phi Kappa Psi-*1333*

[4]Hanlon, Katherine Mary — San Francisco — LD‡ Hotel Benj.Franklin,SM-sm

[34]Hanna, Henry Charles, Jr. — El Segundo — LD 42–14 — Zeta Psi

Hanna, Strentzel — Martinez — LD 35–12 — 115 Encina-*2423*

Hansen, Annetta Marie — San Jose — Soc.S.-Jn.90·53+78 — 397N.6thSJ-sj

[3]Hansen, Carl Joseph — Morgan Hill — Chem. 133+42 — 203 Sequoia

Hansen, Carl Vernon — Sacramento — Econ. 90·53+82 — 405 Sequoia-*1996*

[5]Hansen, Theodore Peter — San Jose — Educ. gr. — 1017 Brace, SJ-sj
A.B., Stanford, 1927

[1]Hansen, Waldemar — Navasota, Texas — Educ. 90·64+29 — Y.M.C.A., SJ

[3]Harbison, Robert L. — San Bernardino — Soc.S.-Jn. 105+43 — Theta Chi

[4]Harder, Thadea Lucia — Hayward — Educ. 6+2 — 307 Roble

Harder, Theo — Bakersfield — LD 80+12 — 111 Toyon-*2043*

Harding, Fred Warner — Raton, N.M. — Law 123+11 — Menlo School-*2316*

Hardison, Robert Allen — Santa Paula — LD 23·70+49 — 23 Salvatierra

[5]Hardy, Edward Everett — Seattle, Wash. — Law gr. — 215 Union-*1226*
A.B., Stanford, 1927

[13]Hardy, Jack Wagner — Los Angeles — Law gr. — Delta Chi-*1304*
A.B., Stanford, 1926

Hardy, May Genevieve — Montrose, Colo. — Hist. 139+228 — 201 Roble-*661*

Hare, John Lionel — Hollywood — LD 44+34 — 427 Encina-*2562*

[5]Hargis, Elbert Thomas — Kansas, Ill. — Educ. gr. — 335 Lytton-p
B.S., Illinois, 1922

Hargreaves, Lotus Odeal — San Jose — Span. gr. — Sigma Kappa-*1327*
A.B., Stanford, 1927

Harker, James Broadbent — Los Angeles — Chem. gr. — 567 Lincoln-p
A.B., Stanford, 1924, A.M., 1927

[121]Harkleroad, Dudley Henry — Fresno — Law gr. — 335 Union-*2817*
A.B., Stanford, 1927

Harkness, Robert Lawrence — Sacramento — Econ. 90·47+56 — 406 Sequoia-*136*

[12]Harley, Charles VanPelt — San Francisco — Law gr. — 176 Bryant-p
A.B., California, 1926

Harlow, Charles Vendale — Long Beach — Econ. 185+33 — 306 Union-*2668*
A.B., Stanford, 1927

[12]Harlow, Paul K. Thompson — Falls, Mont. — LD 107+18 — 204 Toyon-*1087*

Harmon, F. Carlyle — Santa Clara — Chem. gr. — 202 Sequoia-*2611*
A.B., Stanford, 1927

Harold, Francis Bernard — San Francisco — Econ. 166+9 — 212 Sequoia-*2396*

Harper, Carlos E. — Ione — LD 35–27 — 205 Sequoia-*1845*

[2]Harpoothian, Edward George — Fresno — M.E. gr. — 123 University-p
A.B., Stanford, 1925

[1]Harrell, Lorimer Benton — Merced — Law gr. — Sig. Alpha Epsilon-*1305*
A.B., Stanford, 1925

[5]Harriman, Thomas Russell — Pasadena — Law 133+47 — Delta Upsilon-*1353*

Harrington, Charles Henry — Corona — Math. gr. — 1227 Byron-p
A.B., Stanford, 1925, A.M., 1925

[4]Harris, Abraham Perry — Stockton — Educ. gr. — 141 Encina
A.B., Stanford, 1903

[12]Harris, Arthur J. Port Angeles, Wash. Chem. gr. 675 Channing-p
A.B., College of Puget Sound, 1925
[34]Harris, David W. C. Stanford Univ. Hist. gr. 304 Union-*975*
A.B., Stanford, 1925, A.M., 1925
[13]Harris, Everett Glenn Fresno LD 44+35 317 Encina-*2587*
Harris, Ford Whitman, Jr. Los Angeles LD 42+13 203 Encina-*891*
Harris, Henry, Jr. San Francisco LD 86+40 111 Toyon-*626*
[5]Harris, Janet San Francisco LD 87+53 328 Roble-*626*
Harris, Joy Lenette Oakland Pol.S. 91·94+88 232 Roble
A.B., Stanford, 1927
Harris, L. Earl Fresno LD 94+6 Theta Chi-*1383*
Harris, Leo Alvil Santa Cruz Educ. gr. 530 Encina-*692*
A.B., Stanford, 1927
[1]Harris, Marion L. Salt Lake City, Utah Bot. gr. 20 Cabrillo-*1911*
A.B., Brigham Young, 1917
[1]Harris, Milton Hyrum Logan, Utah Econ. gr. 149 Cowper-*1911*
A.B., Brigham Young, 1915; A.M., Columbia, 1917; Ph.D., Stanford, 1927
Harris, Robert Henry Los Angeles Zoöl. 135+6 Zeta Psi-*B*
[13]Harrison, Gertrude Fay Los Angeles Fr. 182+311 242 Roble-*61*
A.B., Stanford, 1927
[4]Harrison, Mary R. Parkville, Mo. Educ. gr. 259 Roble
A.M., Chicago, 1922
[22]Harrison, Reginald Hugh Venice LD 28+15 345 Encina-*933*
Harrison, Standish Harold Tacoma, Wn. S.Engr. 182+33 Sigma Nu-*1385*
A.B., Stanford, 1927
[4]Harrison, Theta Palo Alto Educ. gr. 718 Bryant-p
A.B., West Virginia, 1920; A.M., Columbia, 1924
Harroun, Catherine Carlsbad, N.M. LD 93+48 Kap.Kap.Gamma-*1354*
Hart, Charles Vinton Los Angeles Chem. gr. 129 Emerson-*1357*
B.S., Yale, 1925; Ph.D., Stanford, 1927
[23]Hart, H. Herschel Decatur, Ill. Hist. gr. Cardinal Hotel-p
A.B., James Milliken, 1924
[4]Hart, Mabel Irene Modesto Chem. ‡ Roble
Hart, Orville Haven San Jose C.E. 90·103+118 116 S.9th, SJ-sj
A.B., Stanford, 1927
[1]Hartley, David Cope Modesto Engl. 90·8–15 628 Gilman-p
Hartley, George, Jr. San Diego LD 89+28 Theta Delta Chi-*1828*
Hartman, Milton Morris San Francisco LD 93+162 127 Branner
Hartman, Rodney Benton Los Angeles Med. gr. 421 Kipling-p
A.B., Southern California, 1926
Hartmann, Henry F. San Diego Germ. 132+47 DeltaTauDel.-*1363*
Hartwell, Anne Davis Santa Barbara Educ. 13·118+38 108 Roble-*2824*
[5]Hartwell, Sheldon Pearne Los Angeles LD 107+18 Kappa Alpha-*1356*
Hartzell, Homer V., Jr. Portland, Ore. LD 47+42 228 Encina-*1156*
[12]Harvey, Byron, Jr. Chicago, Ill. Phil. 180+107 Delta Upsilon-*1353*
A.B., Stanford, 1927
[4]Harvey, John Albert, Jr. Santa Ana LD ‡ 110 Encina
Harvey, John Winfield Leadville, Colo. LD *22*–24 905 Scott-p
[5]Harward, Elbert Jay La Grande, Ore. Law gr. 189 Cowper-*1326*
A.B., Stanford, 1925
Harwood, Paul Lochry Upland LD 83+59 Delta Upsilon-*1353*
[5]Haskell, Dudley Haines San Francisco Chem. 164+97 406 Ramona-p
[4]Haskell, Jean Ryan Artesia LD 111 Encina-*1334*
Haslett, Mary Rosalie Alameda LD 53–19 177 Roble-*948*
[5]Hausch, Douglas C. Visalia Geol. 5·186+57 Theta Chi-*1383*
[4]Haw, Harry Huber La Jolla Educ. gr. 1008 Forest Ct.-p
A.B., College of the Pacific, 1918

Hawk, Raymond Franklin A.B., DePauw, 1917	Cheney, Wash.	Educ. gr.	Half Moon Bay-hmb
Hawker, Mark Langauner	Los Angeles	S.Engr.108·47+55	314 Toyon-*1907*
[4]Hawkins, C. Alice A.B., California, 1915	Napa	Educ. gr.	211 Roble
[14]Hawkins, Dorothea Cavitt	Berkeley	Econ.32·76+38	AlphaOmi.Pi-*1367*
[5]Hawkins, Morris Albert	San Francisco	LD 37–34	Alpha Tau Omega
[12]Hawkins, Stanley Lloyd A.B., Stanford, 1926	Mountain View	S.Educ. gr.	Phi Sigma Kappa-*538*
[12]Hawley, David Fletcher	Lodi	LD 31–6	Phi Delta Theta-*1334*
Hay, Bryon W.	Bakersfield	Econ. 135+112	Delta Chi-*1304*
Hay, Gerald M. A.B., Stanford, 1927	Bakersfield	Econ. 183+9	Delta Chi-*1304*
Hayden, Max Mendenhall	Fresno	LD 46+14	216 Encina-*2431*
Haydock, Ethel A.B., Stanford, 1927	Oxnard	Hist. 6·186+94	Chi Omega-*1386*
[13]Hayes, Sam Stewart	Birmingham, Mich.	LD 62+2	Sigma Alpha Eps.-*2781*
[4]Hayes, Sidney Burrel	Bakersfield	LD‡	107 Encina
Hayhurst, L. Nelson	Fresno	LD 7·98+79	905 Scott-p
Hays, Harford Holmes A.B., Stanford, 1924, A.M., 1927	Palo Alto	Engl. gr.	825 University-p
[4]Hayward, Edna A.B., Stanford, 1910	Redwood City	Span. gr.	Roble
[4]Hayward, Ida Rickard A.B., Stanford, 1911	Watsonville	S.Biol. gr.	384 Roble
Hazeltine, Sherman	Prescott, Ariz.	LD 91+51	AlphaTauOmega-*1384*
[4]Healy, Aileen M. A.B., San Jose State Teachers College, 1927	San Jose	Educ. gr.	639 S. 11th, SJ-sj
[234]Heath, Harrison F. B.S., Washington, 1916, A.M., 1921	San Jose	Educ. gr.	1084 Hedding,SJ-sj
[134]Hedge, James Roland	Redwood City	Law 100·27	228 Sequoia-*1019*
[4]Hedge, Norman Julius	Redwood City	LD	445 Arlington, RC-rc
[4]Heenan, Thelma M.	Ardmore, Okla.	LD ‡	Cardinal Hotel-p
Heflin, Woodford A. A.B., New Mexico, 1926	Albuquerque, N.M.	Engl. gr.	325 Union-*628*
Heiges, Laurence Ephraim, Jr.	Lompoc	LD 95+94	635 Bryant-*1856*
Heinecke, Walter	Santa Ana	LD 47+5	17 Lasuen-*1914*
[1]Heineman, Walter Henry	Anaheim	LD 50+29	1024 Emerson-*2144*
[4]Heinonen, Vieno Sivia B.S., Columbia, 1926	Helsinki, Finland	Engl. gr.	107 University-*2563*
Heller, George Sydney	Los Angeles	LD 85+22	244 Webster-p
Heller, Hilda Hempl A.B., Stanford, 1914	Palo Alto	Med. gr.	355 Kellogg-p
Helmke, Guy Martin	Fort Seward	LD 46+27	401 Encina-*2581*
Helmke, Rae F.	Fort Seward	LD 116+20	Theta Chi-*1383*
Hembroff, Ruth Edwina	Victoria, B.C.	LD 22·45+50	115 Roble-*612*
[5]Henderson, Adin Douglas A.B., Stanford, 1927	Los Molinos	Educ. gr.	328 Union-*605*
[4]Henderson, Hasell Lance	Chula Vsita	LD	251 Toyon
[5]Hendrickson, Gladys A.	Sacramento	Engl. 90·15+2	316 Roble
[5]Hennessy, Mary Nonette	Grass Valley	LD 45+54	206 Roble-*2157*
[23]Henry, Collice A.B., California, 1921, A.M., 1922; Ph.D., Stanford, 1927	San Luis Obispo	Cl.Lit. gr.	Madroño
Hensen, Louis John	Chinook, Mont.	LD 46·40+22	438 Encina-*564*
Herbert, Arthur Sedgwick	Altadena	LD 40+8	421 Encina-*2194*

Herbold, Paul	Los Angeles	LD 5·83+10	2 Mirada-*2641*
[4]Hereford, Jack Hagerman	Tucson, Colo.	Phil.‡	128 Kingsley-p
[1]Herkomer, Vincent Edward	Auburn	LD 13–14	135 Branner-*2, 61*
[4]de Hermida, Eugene Arthur	Sacramento	LD sp.	University Hotel
[5]Herndon, Leroy Travers, Jr.	Gonzales	Span. gr.	234 Branner-*2058*
A.B., Stanford, 1927			
Herrington, Alan David	Hollywood	Econ. 5·142+105	Bet. Thet.Pi-*1335*
[5]Herrington, Lovic P.	Waynesboro, Ga.	Psych. gr.	Sigma Nu-*1385*
A.B., Stanford, 1927			
Herrington, William Charles	San Pedro	Zoöl. 96·88+127	307 Union-*2277*
A.B., Stanford, 1927			
Hertsche, Joel C., Jr.	Portland, Ore.	E.E. gr.	204 Union-*839*
A.B., Stanford, 1926, Engineer, 1927			
Herz, Ludwig Ernest	Palo Alto	Zoöl. gr.	315 Stanford, M-m
A.B., Stanford, 1926, A.M., 1927			
Hesson, Lois	Elko, Nev.	Fr. 93·94+41	322 Roble-*1935*
A.B., Stanford, 1927			
[124]Hesthal, Cedric Edward	San Francisco	Phys. gr.	439 College-*1573*
A.B., Stanford, 1925			
Hewitt, Dorothy	Long Beach	Med. gr.	1456 Jones, SF-sf
A.B., Pomona, 1924			
Hiatt, John Meredith	Rivera	Law 137+217	209 Sequoia
Hiatt, Oliver Cecil	San Jose	LD 90+45	AlphaKap.Lambda-*658*
[23]Hichborn, Paul Revere	San Jose	S.Educ. gr.	755 University,SJ-sj
A.B., Stanford, 1921			
Hicks, Aileen Leighton	Los Angeles	LD 98+60	Chi Omega-*1386*
Hicks, Avery Morley	Salem, Ore.	Med. gr.	550 Kingsley-p
A.B., California, 1924			
[4]Hicks, Beatrice	Chandler, Okla.	Educ. gr.	Roble
B.S., Oklahoma Agricultural and Mechanical College, 1921			
[5]Hieb, Otto H.	Lodi	Germ. 138+65	Theta Xi-*1355*
Higgins, Doris Frances	Fresno	Math. gr.	Madroño-*2139*
A.B., Stanford, 1926, A.M., 1927			
[23]Higgins, John T.	Watsonville	M.E. 132+88	134 Branner-*1278*
Higgins, Lawrence Nelson	Long Beach	LD 40+2	249 Encina-*2433*
[23]Higgins, Martin Joseph	Palo Alto	Cl.Lit. gr.	745 Waverley-p
Graduate, St. Patrick's Seminary			
Hill, Alexander Leslie	Konocti Bay	Econ. 131+21	Sigma Kappa-*1327*
[4]Hill, Andrew Putnam, Jr.	San Jose	Educ. gr.	354 S. 12th, SJ-sj
A.B., Stanford, 1922			
[13]Hill, Donald Kinman	Long Beach	LD 93–10	Delta Upsilon-*1353*
Hill, Forrest Macaulay	Sacramento	Econ. 104+74	534 Encina-*1443*
Hill, Harold Preston	Orland	S.Engr. 136+49	107 Sequoia-*2632*
Hill, Henry Eric	Redding	LD 96+79	213 Sequoia-*2393*
[4]Hill, Joseph Blackburn	Whittier	Educ.‡	324 Union
Hill, Lowell Reed	Upland	Med. gr.	2350 California, SF-sf
A.B., Pomona, 1925			
Hill, Ruth Elizabeth	Salinas	LD 44+14	Kingscote-*1110*
[5]Hill, Ward Ames	San Francisco	Law gr.	420 Encina-*1855*
A.B., Stanford, 1926			
[4]Hilliard, Benjamin Adam	Los Angeles	LD	125 Encina
[4]Hillier, Grace Ruth	Long Beach	Educ. gr.	524 Middlefield-p
A.B., Iowa State Teachers College, 1918			
Hilmer, Oswald	Palo Alto	LD 43+35	350 Embarcadero-p
[23]Hilmer, Roland William	San Francisco	Hist. 20·79+5	Chi Psi-*1648*
[4]Himbert, Arthur Robert	Berkeley	Law gr.	619 Homer-p
B.S., California, 1921, M.S., 1924			

Hinckle, William	Los Angeles	Law 167+92	Phi Kap.Sigma-*1306*
Hinckley, LeRoy L.	Watsonville	Econ. 135+42	Alpha Kappa L.-*658*
[4]Hind, Alice Gertrude	Redwood City	LD‡27+9	148 Harrison, RC-rc
[12]Hindry, Hayes	Denver, Colo.	LD 18–21	127 Encina-*1994*
[13]Hindry, Horace Waldo	Denver, Colo.	LD 111–15	242 Branner-*1994*
[5]Hinds, John Louis	Willimantic, Conn.	Hist. 87·49+17	365 Lincoln-*1541*
Hines, Don Carlos	San Jose	Med. gr.	2402 California,SF-sf
A.B., Stanford, 1927			
Hines, Frederick Edwards	San Jose	Law 15·132+242	201 Toyon-*896*
[3]Hinton, Merlin Jethero	Palo Alto	Hist. 115·10–5	Stanford Univ.
[4]Hixson, Walter Carver	Fowler	Educ. gr.	318 N. 6th, SJ-sj
B.S., California, 1915			
Hjelm, Harold Le Roy	Turlock	Law gr.	310 Union-*1468*
A.B., Stanford, 1925, J.D., 1927			
[1]Ho, Hsu Chao	Foochow, China	LD 45·10–9	Chinese Club-*2432*
[12]Ho, Perry Yewton	Hongkong, China	Psych. gr.	Chinese Club-*2165*
A.B., California, 1923; A.M., Southern California, 1926			
[5]Hoagland, Jackson	Phoenix, Ariz.	Geol. 94+10	Delta Chi-*1304*
[12]Hobart, Lewis Deming	San Francisco	LD 40+23	424 Encina-*2254*
Hobdy, William Warner	San Francisco	LD 40–15	120 Encina-*1591*
Hobro, William L.	San Francisco	Min. gr.	319 Encina-*1855*
A.B., Stanford, 1926, Engineer, 1927			
[12]Hobson, Henry David	Portland, Ore.	LD 48·95+68	561 Encina-*1883*
Hobson, Oliver Lincoln	Palo Alto	LD 76+57	505 Embarcadero-p
Hodges, Jack Ormond	Tulare	LD 79+2	116 Toyon-*2668*
[23]Hodgson, Daphne	Yonkers, N.Y.	LD 102+52	Pi Beta Phi-*1825*
[234]Hodgson, John Robert	Maricopa	LD 67+7	102 Sequoia
Hoeber, Ralph Carl	Portland, Ore.	Law gr.	Menlo Heights-*1227*
A.B., Oregon, 1921, A.M., 1923; J.D., Stanford, 1927			
Hoffman, Clifford Pearson	Petaluma	Soc.S.-Jn. 130+31	Zeta Psi-*B*
Hoffman, John Wade	Grimes	Econ. 137+76	250 Branner-*931*
[12]Hoffman, Floyd Edward	Palo Alto	Law gr.	442 Tasso-p
A.B., Stanford, 1925, J.D., 1927			
Hoffman, Paul E.	San Francisco	Med. gr.	2418 Washington,SF-sf
A.B., Stanford, 1925			
[4]Hogan, Fred Percy	Laton	Educ. gr.	604 Tennyson-p
A.B., Fresno State Teachers College, 1925			
[5]Hogan, Phyllis Marie	Palo Alto	Math. 168+51	364 Roble-*2172*
[5]Hogan, Verda Irene	Palo Alto	Psych. gr.	362 Roble-*2172*
A.B., Stanford, 1927			
Hoge, Arthur Milner	Nevada City	Econ. 90·40–4	208 Sequoia-*2305*
[1]Hogg, Agnes Patricia	Saratoga	Soc.S. 90·47–22	207 Roble-*1616*
[5]Hogle, Milton Monroe	Lincoln	Law gr.	Theta Chi-*1383*
A.B., Stanford, 1926			
[1]Holdren, Floyd	Chandler, Ariz.	LD 16·41+12	559 Cowper-*2032*
Holley, Marion Elizabeth	Visalia	LD 44+45	150 Roble-*807*
[5]Holliday, Guy	Kansas City, Mo.	Educ. gr.	465 Ruthven-*517*
A.B., Stanford, 1926			
Hollingsworth, John B.	Hemet	LD 91+90	108 Branner-*1966*
[4]Hollingsworth, Robert Bruce	Herndon	Econ.‡	141 Toyon
[12]Hollingsworth, William I.	Los Angeles	Econ.114+14	Del.KappaEpsi.-*OO*
Hollowell, James	Glendale	LD 39+8	447 Encina-*2045*
Holly, Foresta Blanche	Suisun	LD 41–7	361 Roble-*2235*
Holman, Cranston William	Santa Rosa	Pre-Cl. 185+119	Alpha Del.Phi-*J*
A.B., Stanford, 1927			

Holmes, Arthur George	Coronado	LD 16·62–3	540 Encina-*2201*
[12]Holmes, Herbert M.	Hayden Junc.,Ariz.	Chem. 86+58	*232* Branner-*2421*
Holmes, Ross Bartscht	Sacramento	Econ. 73·61+3	315 Sequoia-*2815*
[4]Holmquist, Alice M. M.	Superior, Wis.	Engl.-P.Sp. 90·	Roble
Holston, Doris Joyce	Mayfield	Fr. 31·82+64	390 Leland, M-m
Holt, Hammie Haynes	Texarkana, Ark.	Econ. 181+92	1004 Cowper-p
A.B., Stanford, 1927			
Holt, Richard Fillius	Caldwell, Idaho	LD 14·88+63	15 Toyon-*1632*
Home, Paul Kimball	Santa Monica	Law gr.	616 Forest-p
A.B., Pomona, 1926			
Hongo, Harry Tatsuo	Okayama, Japan	S.Engr. 135+50	Japanese Club-*598*
[4]Honn, Edward F.	Bisbee, Ariz.	Educ. gr.	Menlo Heights-*1491*
A.B., Arizona, 1921			
[4]Honn, Edwina	Bisbee, Ariz.	Econ.‡	Menlo Heights-*1491*
[4]Honn, Nelle Sims	Bisbee, Ariz.	Educ. 6+8	Menlo Heights-*1491*
[1]Hood, William Moore	Douglas, Ariz.	LD 13+1	103 Branner
[5]Hooker, Theron Potter	Beverly Hills	Econ. 147+44	Kappa Alpha-*1356*
Hoover, Allan H.	Stanford Univ.	S.Engr. 110+15	San Juan-*708*
Hoover, William George	San Mateo	S.Engr.90·49+71	100Pensr,SM-sm
[5]Hopkins, Blake Fraser	San Francisco	LD 23–7	19 Encina-*2706*
[4]Hopkins, Horace L.	Humboldt, Ariz.	Educ. gr.	1 Lasuen
B.S., Oregon Agricultural, 1922			
Hopkins, Warren Daniel	Los Angeles	LD 65–10	Kappa Sigma-*1326*
[23]Hopper, Franklyn Winone	Palo Alto	LD 50·62+5	305 Branner-p
Horii, Masaru Michael	Los Angeles	Pre-Med. 140+56	Jap. Club-*598*
[23]Horine, William H.	Okmulgee, Okla.	Law 183+102	Alpha Sig. Phi-*1357*
A.B., Stanford, 1927			
Horn, Harold Marion	Marcus, Wash.	LD 28–13	41 Encina-*1404*
[4]Hornbuckle, Cora	San Diego	Educ. gr.	Kingscote
A.B., San Diego State Teachers College, 1925			
[4]Horner, Ramona Norine	San Francisco	LD‡	Roble
Hornkohl, F. Frank	Chicago, Ill.	S.Engr. 196+39	917 Ramona-p
A.B., Stanford, 1927			
Hossom, Lynn O.	Long Beach	Law 134+85	Al.Tau Omega-*1384*
Hotchkiss, Ardin Dale	Covina	C.E. 143+39	*222* Toyon-*1941*
[12]Hotchkiss, Harold K.	Altadena	Law 180+85	Alpha Sig.Phi-*1357*
A.B., Stanford, 1927			
[1]Hotta, Masakazu	Furakawa, Japan	Econ. 135·5–11	Japanese Club-*598*
[1]Houser, Lionel Louis	Palo Alto	LD 47+59	407 Cowper-p
[4]Houston, Samuel James	Huntington Pk.	Educ. gr.	125 Encina
A.B., Occidental, 1920			
[23]How, John Harry	San Francisco	LD 31+13	435 Encina-*2005*
Howard, Kenneth Winslow	Sacramento	LD 83+87	Sigma Nu-*1385*
Howard, Lot Duncan	San Jose	LD 105+111	1132 Settle, SJ-sj
[4]Howard, Luther Bennett	Palo Alto	LD‡	319 Middlefield-p
[5]Howard, Russell Marion	Tucson, Ariz.	Econ. gr.	759 Webster-p
B.S., Oregon Agricultural, 1914; M.S., Arizona, 1924			
[4]Howe, Lille Margaret	Carrollton, Ky.	Span. gr.	100 Roble
Ph.B., Chicago, 1926			
Howe, Ralph D.	Palo Alto	Med. gr.	955 Channing-p
Howe, W. Sandford	Sacramento	Pre-Cl. 90·99+8	213 Union-*1874*
A.B., Stanford, 1927			
Howell, Louis O.	Dallas, Texas	S.Engr. 104·92+33	1047 Ramona-*5*
A.B., Stanford, 1927			
[5]Howell, Stanley	Paris, Idaho	Law gr.	University Park-*1221*
A.B., Utah, 1922			

Howlett, Frank, Jr.	San Francisco	LD 91+98	Alpha Kappa L.-*658*
Hoxie, Henry Luke	Los Angeles	LD 54+7	226 Encina-*2545*
[5]Hoxie, Stephen Parker	Los Angeles	Law20·110+6	DeltaTauDelta-*1363*
Hoxsie, John Whitman	Huntington Beach	LD 30·48–26	Kappa Sigma-*1326*
[34]Hoy, Elvin Albert B.S., Oregon Agricultural, 1925	Milwaukie, Ore.	Math. gr.	7 Dolores-*2238*
Hoyt, Jonathan A.B., Stanford, 1925	Berkeley	Bact. gr.	209 Kipling-p
[4]Hoyt, Neva Beatrice A.B., Grinnell, 1922	Detroit, Mich.	Educ. gr.	241 Roble
[4]Hoyt, Warren Hartley A.B., Michigan, 1923	Detroit, Mich.	Educ. gr.	242 Toyon
Hromadka, John Benjamin	Sawtelle	LD 39+10	106 Encina-*2471*
[18]Hsiung, Wen Ming	Nanchang, China	Psych. 45·91+22	Chinese Club-*1079*
[5]Hsu, Yung Ying	Peking, China	Econ. 135·41+6	Chinese Club-*2338*
Huang, I A.B., Stanford, 1926	Amoy, China	Psych. gr.	Chinese Club-*1119*
[1]Hubbard, Richard Kapp A.B., Stanford, 1927	Riverside	S.Engr. 52·141+151	643 High-p
Hubbard, William Henry, Jr.	Los Altos	Econ. 133+0	Phi Kap.Sigma-*1306*
Hubler, Fred Faber	El Segundo	LD 88+9	Kappa Sigma-*1326*
[5]Hubler, Gaylord Neal	Porterville	LD 84–1	202 Sequoia-*1763*
Hudson, Bradford Barnhisel	Pacific Grove	LD 74+52	212 Sequoia
[4]Hudson, Isabel Maria	Monterey	LD‡	318 Roble
[4]Hudson, Ruby Moench B.S., Oregon State Agricultural, 1925	Albany, Ore.	Educ. gr.	459 Hamilton
[4]Hudson, William Henry B.S., Oregon State Agricultural, 1925	Albany, Ore.	Educ. gr.	459 Hamilton
[5]Huff, William Erlin A.B., Stanford, 1922	Mountain View	Min. gr.	Mt. View-Box 352, mv
Huffman, Hugh Martin A.B., Stanford, 1925, A.M., 1926	Los Angeles	Chem. gr.	538 Encina-*651*
[23]Hughes, Clarice Hohfeld	Oakland	LD 26–7	164 Roble
Hughes, Cornelius Louis A.B., Stanford, 1927	San Francisco	S.Engr. 180+76	256 Toyon
Hughes, Elizabeth W.	Los Angeles	Pre-Nurs. 88·44+25	224 Roble-*898*
[34]Hughes, James Shepard	Oroville	Pol.S.67·80–2	Phi Sig.Kap.-*538*
[23]Hughes, Olin Rice	San Jose	LD 60·24–7	829 Chapman, SJ-sj
[1]Hulen, Ray Jessie	Long Beach	LD 46–1	Delta Kappa Epsilon-*O*
Hull, Richard H.	Alturas	LD 146+34	227 Branner-*1193*
[4]Hulme, Gertrude May B.S., Idaho, 1903	Palo Alto	Educ. gr.	638 Channing-p
Hulme, Mary Louise	Palo Alto	Fr. 134+105	Delta Gamma-*1366*
Hulsman, Walter Charles	Campbell	LD 91+47	Delta Upsilon-*1353*
Hulstede, George Edgar A.B., Stanford, 1926, Engineer, 1927	San Diego	E.E. gr.	203 Union-*1722*
[1]Hume, Harriet	Oakland	LD 6–11	354 Roble-*1049*
Hume, Robert Arthur	Brookings, S.D.	Engl. 3·108+148	331 Encina-*1468*
[1]Humfreville, William Hardesty	Pasadena	LD 61–16	Kappa Alpha-*2513*
[4]Humphreys, Philip E.	Madera	LD 35+2	213 Toyon
Huneke, Helen Josselyn	Spokane, Wash.	Fr. 7·132+193	106 Roble-*665*
[4]Hunkins, Ralph V. A.B., Nebraska, 1914; A.M., Chicago, 1921	Lead, S.D.	Educ. gr.	1004 Emerson
[5]Hunsberger, Clarita A.B., Stanford, 1927	Los Angeles	Fr. gr.	Delta Delta Delta-*1325*

Hunt, Alfred Henry	Los Angeles	Law gr.	245 Everett-p
A.B., Southern California, 1926			
[4]Hunt, Edith Christine	Napa	Educ.‡	329 Hawthorne-p
Hunt, John MacLain	Glendive, Mont.	LD 46+24	107 Encina
[4]Hunt, Louise	Killeen, Texas	Educ. gr.	207 Hawthorne-p
A.B., Baylor, 1926			
Hunter, Arthur Francis	Oakland	LD 37–8	308 Encina-*842*
Hunter, Charles H.	Point Arena	Hist. 5·190+69	115 Alma-p
A.B., Stanford, 1927			
[23]Hunter, Lewis Warren	Sacramento	LD 62–14	Phi Gamma Delta-*1324*
[4]Hunter, Wayne Edwin	San Jose	LD	1145 Minn., SJ-sj
[23]Hunting, Walter J.	Carson City, Nev.	Educ. gr.	20 Cabrillo-*2424*
A.B., Nebraska, 1901			
[14]Huntington, Virginia	Palo Alto	LD 15·57–3	516 Kingsley-p
Huntington, Winifred	Los Angeles	Law 137+90	DeltaDeltaDelta-*1325*
[4]Huntting, George Hammond	Fresno	Engl. gr.	520 Cowper-p
A.B., Columbia, 1902			
[1]Hupp, James Kenneth	Berkeley	LD 4–14	121 Encina
[1]Hurd, Arthur Bentley	Aurora, Ohio	LD 67·8–16	510 Waverley-p
Hurt, Arthur Curtis, Jr.	Los Angeles	LD 47+23	307 Encina-*2734*
Husband, Richard David	Modesto	Med. gr.	3360 Geary, SF-sf
A.B., Stanford, 1926			
[5]Husband, Richard W.	Hanover, N.H.	Psych. gr.	Madroño-*1752*
A.B., Dartmouth, 1926; A.M., Stanford, 1927			
[4]Husband, Victor Pierpont	Eugene, Ore.	Educ. gr.	543 Byron-p
A.B., Oregon, 1921			
Hutcherson, Mervin L.	San Francisco	LD 60+13	139 Encina-*2737*
[12]Hutchins, McConnell L., Jr.	El Paso, Tex.	M.E. 90·46+5	345 Lincoln-p
[4]Hyames, Frank M.	Palo Alto	Educ. gr.	265 Channing-p
LL.B., Kansas, 1912; B.S., Kansas State Teachers College, 1917			
Hyde, Ben Cooper	Fairfield	LD 46+10	30 Encina-*573*
Hyde, Harold Hunt	Cupertino	Econ. 90·62+63	245 Toyon-*1855*
[12]Hyland, Frank W., Jr.	San Francisco	Pol.S. sp. 155+47	Delta Ups.-*1353*
[13]Hyman, Wallace Audrey	San Francisco	Law gr.	329 Hawthorne-p
A.B., California, 1924; J.D., Stanford, 1927			
Iams, Harley A.	San Diego	M.E. 90·92+149	304 Sequoia-*2811*
A.B., Stanford, 1927			
[4]Ingelow, George Carpenter	Palo Alto	Econ. gr.	457 Webster-p
A.B., Stanford, 1914			
Ingraham, Alice Louise	Yuma, Ariz.	LD 45+69	378 Roble-*2162*
Ingram, William Truitt	Palo Alto	LD 90+52	825 Cowper-p
[4]Inlow, Harvey Edgar	Pendleton, Ore.	Educ. gr.	728 California, M-m
A.B., Pacific, 1915			
[4]Ireland, Romola Marie	Ottawa, Kans.	Educ. gr.	262 Roble
A.B., Ottawa, 1925			
Iriki, Keisuke	Kagoshima, Japan	Pre-Med. 136+111	Jap. Club-*598*
[4]Irish, Clarence W.	San Francisco	Educ. gr.	134 Toyon
A.B., Arizona, 1926			
[1]Iriye, Takuma	Kurarequn, Japan	Econ. gr.	Japanese Club-*598*
Graduate, Waseda, 1924			
[5]Irvine, Samuel Rodman	Los Angeles	LD 75+42	206 Branner-*2323*
Irvine, William	Stockton	Engl. 148+246	525 University-p
Irving, Donald R.	Palo Alto	Min. gr.	738 Cowper-*2169*
A.B., Stanford, 1926			
Irving, Lois E.	Palo Alto	Span. 23·107+66	Del.Del.Del.-*2169*
[5]Irwin, Clarence	Portland, Ore.	Educ. gr.	327 Emerson-p
A.B., Stanford, 1927			

[23]Irwin, Louise Christy — Long Beach — Span. 75·108+82 — 330 Roble-*2037*
A.B., Stanford, 1927
[1]Isaacs, Hart — Los Angeles — Econ. 117–26 — 213 Union-*2004*
[234]Isensee, Frank P. — San Francisco — Educ. 184+43 — *326* Waverley-*2145*
[1]Israel, Alida DeRuyter — Linden — Law gr. — Madroño-*1833*
A.B., Mills, 1925
Israel, Harry Frederick — Mayfield — Psych.47·109+112 — 547Drtmth,M-m
[234]Israel, Hugh Rock — Mayfield — LD 35+31 — 549 Dartmouth, M-m
Israel, Rudolph J. — Palo Alto — S.Engr.90·46+56 — 222 Woodland-p
[4]Ives, Ruth E. — Los Angeles — Educ. gr. — *337* Roble
Ed.B., California, Southern Branch, 1927
Izzard, Carl Frederick — San Mateo — LD 83+89 — 24 Poplar, SM-sm
[12]Jackson, Ellsworth Harry — San Jose — S.Engr. 45·97+29 — 390 S. 4th, SJ
Jackson, Gene H. — Nevada, Mo. — Econ. 133·47+34 — 840 Kipling-*2705*
A.B., Stanford, 1927
Jackson, Paul Edgar — Los Gatos — Law gr. — 206 Union-*1942*
A.B., Stanford, 1926
[234]Jackson, Paul Riley — Oakland — S.Educ. gr. — 553 Encina
A.B., Stanford, 1926
Jackson, Robert Charles — Los Angeles — LD 88+16 — 249 Toyon-*1857*
[4]Jacob, Maude Beeley — Provo, Utah — Engl. gr. — 453 Princeton, M-m
A.B., Brigham Young, 1909, A.M., 1923
Jacobs, Alfred Edward — Santa Monica — LD 90+122 — 103 Sequoia-*2763*
Jacobs, Donald P. — San Francisco — LD 103–2 — Phi Sigma Kappa-*538*
[4]Jacobs, Helen K. — Julian — Educ. gr. — 30 Lasuen
A.B., Pomona, 1919
Jacobs, Lewis Grant, Jr. — San Francisco — Pr-Md.90·49+39 — 1586Hayes,SF-sf
[4]Jacobs, Mildred Ellen — Sacramento — LD 42· — 378 Roble
[4]Jacobs, Porter John — Santa Clara — LD‡ — 1072 Monroe, SC-sc
[24]Jacobsen, Lydik S. — Stanford Univ. — Phys. gr. — 15 Union-*1822*
A.B., Stanford, 1921
[14]Jacobson, David S. — Brawley — LD 78+34 — 224 Toyon-*1248*
Jacoby, Rosalie L. — Los Angeles — Fr. 104·76+87 — 239 Roble-*1834*
A.B., Stanford, 1927
Jagels, George Daniel — Mountain View — LD 99+96 — 1098 Villa, MV-mv
[5]Jago, John B. — Lausanne, Switzerland — LD 43+30 — 445 Encina
James, Albert Louis — Denair — Econ. 90·94+77 — 308 Sequoia
A.B., Stanford, 1927
James, Ben Wylie — Hollywood — LD 47+55 — 20 Encina-*940*
[124]James, Jared Warner — Denair — Econ. 90·88+35 — 308 Sequoia
[4]James, Joy Wilhelmine — San Luis Obispo — LD‡ — 282 Roble
[3]James, Leonard D. — Denair — Econ. 90·15+5 — 308 Sequoia
James, Martha — Palo Alto — Med. gr. — 324 Emerson-p
A.B., College of the Pacific, 1919
[1]Jameson, Eloise — Corona — Exp.Med.gr. — 1350Wash'ton,SF-sf
A.B., Stanford, 1910, A.M., 1912
Jameson, Moroni — Long Beach — Geol.132+46 — 404 Sequoia-*2322*
Janda, Robert Lyon — Pasadena — Pol.S. 87·55+72 — 409 Encina-*947*
[4]Jantzen, Daniel F. — Phoenix, Ariz. — Educ. gr. — 446 Forest-p
A.B., Arizona, 1921
[5]Jardine, Douglas Seymour — Pasadena — LD 7·65–23 — Phi Kappa Psi-*1333*
Jayne, Edith — San Francisco — LD 43+68 — 360 Roble-*1290*
[5]Jayred, Wallace Bierce — Pasadena — Law 180+74 — Alpha Delta Phi-*J*
[34]Jeannin, Margaret Louise — Pasadena — LD 4·78+97 — 115 Roble
Jeffers, Wayne Echard — Latham, Ill. — LD 114+116 — Delta Chi-*1304*

[4]Jeffries, Lawrence Loomis	Los Angeles	LD	113 Encina
[4]Jellinek, Emil Otto, Jr.	San Francisco	LD‡	202 Toyon
[23]Jenkins, Kenneth Baxter	San Francisco	Pre-Med.68·39+28	856 Mid'field-p
Jennings, John Paul	Portland, Ore.	LD 50+61	444 Encina-*2223*
[12]Jennison, Jack J.	Sacramento	LD 10–7	27 Mirada-*702*
[5]Jensen, Bernhardt Mackie	San Jose	Econ. gr.	208 Sequoia-*2286*
A.B., Stanford, 1927			
[13]Jensen, Dortha Edith	Mayfield	Psych. gr.	274 Park, M-*563*
A.B., Indiana State Normal School, 1922; A.M., Ohio State, 1925			
[13]Jensen, Milton B.	Mayfield	Educ. gr.	274 Park, M-*563*
B.S., Utah Agricultural, 1924; A.M., Stanford, 1925, Ph.D., 1927			
[12]Jensen, Walter Harry	Vallejo	LD 111–24	141 Toyon-*1468*
Jenson, Edgar M.	Palo Alto	S.Educ. gr.	851 Lytton-p
A.B., Brigham Young, 1916, A.M., 1919			
Jeong, Bessie Yeen	San Francisco	S.Biol. 90·90+17	253 Roble-*1884*
A.B., Stanford, 1927			
Jergins, Merritt Dean	Los Angeles	Econ. 191+49	Delta Upsilon-*1353*
A.B., Stanford, 1927			
[4]Jessen, Carl Arthur	Helena, Mont.	Educ. gr.	433 Kipling-p
A.B., Luther, 1909; A.M., Northwestern, 1923			
[1]Jessen, Jack Martin	Pomona	Med. gr.	616 Forest-p
A.B., Pomona, 1926			
Jessop, Arthur Joseph	Coronado	Econ. 90·48+28	Al.TauOme.-*3148*
Jimerson, Jack Richard	Payette, Idaho	Med. gr.	2215 Buchanan,SF-sf
A.B., Stanford, 1923			
[5]Joachims, Belle	Campbell	Educ. 103·31–7	Campbell-c
[5]Joaquin, Thomas T.	Sutter City	Econ. 128+5	Delta Chi-*1304*
[5]Johansen, Donald Alexander	Palo Alto	Bot. gr.	228 Union-*989*
A.B., Stanford, 1925, A.M., 1926			
[4]Johns, Floyd Marion	Hamakuapoko,T.H.	Engl. gr.	151 Melville
A.B., Kansas, 1909			
[4]Johnson, Adella	Minneapolis, Minn.	Fr. gr.	11 Salvatierra
A.B., Minnesota, 1905; A.M., Washington, 1925			
[1]Johnson, Arthur Alexander	Lynn, Mass.	LD	415 Encina
[5]Johnson, Arthur Beers	Palo Alto	Chem. gr.	403 Kingsley-p
A.B., Stanford, 1927			
Johnson, Charles C.	San Francisco	Med. gr.	2402 California,SF-sf
A.B., Stanford, 1924			
[4]Johnson, Clarence Elbert	San Diego	Educ. gr.	536 Bush, Mt. View
B.S., South Dakota State College, 1920			
Johnson, Edith Matilda	Tacoma, Wash.	Chem. 180+274	Chi Omega-*1386*
A.B., Stanford, 1927			
Johnson, Edna Mae	Sacramento	LD 21·113+55	Alpha Phi-*1387*
[4]Johnson, Elba J.	Los Angeles	Psych. gr.	Roble
A.B., Southern California, 1925			
Johnson, Frederick Albion	Hayward	LD 43–19	415 Encina-*1481*
[4]Johnson, Hadden L.	Marshfield, Ore.	Chem. gr.	1535 Cowper-p
B.S., Oregon Agricultural, 1924			
[4]Johnson, Hinton Olaf	San Francisco	LD sp.	216 Toyon
Johnson, Irving Laurence	Sacramento	S.Engr. 90·50+30	313 Sequoia-*737*
Johnson, Judith Ellen	Long Beach	Hist. 10·135+190	301 Roble-*1592*
Johnson, Kenneth Mitchell	San Jose	Law gr.	260 S. 3d, SJ-sj
A.B., Stanford, 1926			
Johnson, Melvin Harold	San Jose	Law gr.	411 N. 2d, SJ-sj
A.B., Stanford, 1926			
[4]Johnson, Nels Albert	Oakland	Educ. gr.	233 Union
A.B., Pacific Union, 1916			

[5]Johnson, Samuel Raymond Cupertino Econ. 157+13 DeltaTauDelta-*1363*
[4]Johnson, Vernon Webster DeKalb, Ill. Law gr. Beta Theta Pi-*1335*
Ph.M., Wisconsin, 1925
Johnson, Walter Andrew Los Angeles Law 6·101+4 Alpha Delta Phi-*J*
[5]Johnson, William E., Jr. San Francisco Hist. 104+26 PhiGammaDel.-*1324*
Johnson, W. Ruel, Jr. Delta, Colo. Econ. 6·126+29 Phi Gam.Del.-*1324*
[34]Johnston, Charles Francis Los Angeles Geol. 160–28 Zeta Psi
[4]Johnston, Earl T. Oklahoma City, Okla. Fr. 165· 20 Alvarado
Johnston, Fred Dean Long Beach LD 47+33 407 Encina-*1654*
Johnston, George Hield San Mateo Econ.26·103+60 130 Roblar,SM-sm
[5]Johnston, Madeline Seattle, Wash. Med. gr. 44 McAllister, SF-sf
A.B., Reed, 1919
Johnston, William Barksdale Fresno Econ. 138+40 236 Toyon-*2233*
[2]Johnston, William Rowland S. Francisco Zoöl. 9·131–31 332 Forest-p
[4]Jones, Dorothy Lucy San Diego Psych. ‡ 343 Roble
Jones, Edmund Hawley Portland, Ore. LD 45+45 246 Encina-*1163*
Jones, Frank Appleton, Wis. Engl. gr. 915 Waverley-p
A.B., Stanford, 1926
Jones, Helen Frances Nevada City LD 48+69 323 Roble-*2642*
Jones, Herbert Edward Kansas City, Mo. C.E. gr. 543 Byron-p
A.B., Stanford, 1926
Jones, John Paul Cody, Wyo. LD 34+9 344 Encina-*1932*
Jones, Malcolm Nixon San Bernardino Pre-Clin. 185+288 308 Bran'r-*1013*
A.B., Stanford, 1927
[4]Jones, Marvin Lee Emporia, Kans. Educ. gr. 212 Oregon
B.S., Kansas State Teachers College, 1923
Jones, Maurice, Jr. Azusa Law gr. 515 University
LL.B., Southern California, 1925
Jones, Melvin Richard Portland, Ore. LD 23+12 423 Encina-*541*
[234]Jones, Naomi Birdella Ridgeway, Ohio Engl-P.Sp. gr. Manzanita-*2334*
A.B., Ohio Wesleyan, 1925; A.M., Stanford, 1927
[12]Jones, Thorold Aldred Chicago, Ill. Engl. 124·90+3 307 Branner-*2225*
A.B., Stanford, 1927
Jones, Wesley Frank Pasadena Econ. 90·50+33 407 Sequoia
Jones, William Alexander, Jr. Vallejo LD 47+30 402 Encina
[1]Jongeneel, Frances Alberta Berkeley Econ. 23·165+49 Al.Omi.Pi-*1367*
A.B., Stanford, 1927
[4]Jonke, M. Matilda Oakland LD‡ 364 Roble
[1]Jordan, Jack Carrol Crow Agency, Mont. LD 33–26 1102 Ramona-*6*
Jordan, Ruth Esther San Francisco Soc.S. gr. Kap.Alpha Theta-*1336*
A.B., Stanford, 1927
[4]Jorgensen, Margretha Yacoh, Wash. Ed. G.A. 16+15 Roble
[4]Jory, Harold B. Everett, Wash. Educ. gr. 222 Union
A.B., Willamette, 1915
[13]Joseph, Samuel Los Angeles Law 97+20 845 Waverley
Josephson, Glen Eugene New Windsor,Ill. Engl. gr. 29 Salvatierra
A.B., Illinois, 1925
[5]Joson, Rafael P. Gapan, Neuva Ecija,P.I. Zoöl. 78·44+7 3 Alvarado-*1372*
[12]Jost, John Sharp Nevada City LD 71–15 Alpha Tau Omega-*1372*
Judson, Martha Palo Alto LD 46+22 250Roble-*2373*
Junkert, Wilhelm E. Stanford Univ. Econ.-Acct. 120+29 561 Encina-p
Kahn, Felice Adler San Francisco LD 45+24 278 Roble-*2644*
Kalenborn, Margaret Redwood City Econ. 134+152 Gam.PhiBeta-*1337*
Kamm, Katherine Fresno Engl. 133+32 Alpha Phi-*1387*
[12]Kao, Chih Canton, China Chem. 90·90+58 Chinese Club-*727*
A.B., Stanford, 1927

Kao, Han — Foochow, China — Psych. gr. — Chinese Club-*34*
A.B., Colorado College, 1925; A.M., Stanford, 1927
[4]Kaps, Clara E. — Santa Ana — Educ. gr. — 1035 Bryant-p
B.S., Columbia, 1915, A.M., 1919
Karr, Frank Randolph — Los Angeles — Law gr. — 316 Union-*1676*
A.B., Stanford, 1926
[4]Kartheiser, Marcella H. — San Francisco — Fr. gr. — 158 Roble
A.B., State College of Washington, 1921; A.M., Stanford, 1923
[1]Kartsaklides, Vasileos George — Greece — LD‡61–15 — Palo Alto Hotel
Kaseberg, John Kenneth — Portland, Ore. — Law 22·141+166 — 138 Branner-*808*
[5]Kaufmann, Felton Dolph — San Francisco — Hist. 96+66 — 137 Branner
[4]Kaulfers, Walter — La Jolla — Educ. gr. — 225 Toyon
A.B., San Diego State Teachers College, 1925
Kavanaugh, Charles R. — Winkleman, Ariz. — Soc.S. 136+237 — 238 Branner
Kavanaugh, Richard N. — Portland, Ore. — Law gr. — 1004 Emerson-p
A.B., Notre Dame, 1926
Kawaguchi, Tadashi — Shizuoka, Japan — LD 95+59 — Japanese Club-*598*
Kawai, Kazuo — Akashi, Japan — Hist. gr. — Japanese Club-*598*
A.B., Stanford, 1926
[23]Kay, Mary Evelyn — New Orleans, La. — Zoöl. gr. — 421 Kipling-*528*
A.B., Tulane, 1924
Kay, Raymond Myer — Los Angeles — Pre-Clin. 6·227+201 — 202 Toyon-*84*
A.B., Stanford, 1927
[134]Kazanjian, John Casey — Fresno — LD 66·54–5 — 509 Encina-*2282*
Keating, Hallie Joyce — San Francisco — Engl. 119+21 — 263 Roble-*2646*
[5]Keegan, Thomas James — Los Angeles — Psych. 93+96 — 245 Everett-p
Keeler, Leonarde — Berkeley — LD 14·87–16 — Menlo Heights-*16*
[234]Keeley, Raymond Dale — Taft — LD 34·27–1 — 17 Encina-*1931*
[12]Keene, Beryl Monroe — Los Angeles — Econ.47·133+51 — Al.TauOme.-*1384*
A.B., Stanford, 1927
Keerl, Robert Denison — Walnut Park — Econ. 115–2 — Alpha Delta Phi-*J*
[4]Kehr, Philip — Los Angeles — LD ‡ — 112 Encina
[1]Keith, Frank Allen, Jr. — Los Angeles — Econ. 123–22 — Alpha Delta Phi-*J*
Keith, John Banwell — Los Angeles — LD 73+41 — Alpha Delta Phi-*2502*
[124]Kellenberg, George A. — Manteca — Econ. 45·76+29 — 543 Encina-*1704*
[134]Kelley, Harold H. — S. Pasadena — Soc.S. 120+111 — Zeta Psi-*B*
Kelley, Kenneth — Redwood City — Soc.S. 127+115 — 802 Edgw'd,RC-rc
[5]Kellogg, Frederick — Palo Alto — Chem. gr. — Alpha Kappa Lam.-*658*
A.B., Stanford, 1927
Kelly, John Henry — Palo Alto — LD 84+52 — Delta Tau Delta-*1363*
[1]Kelman, Newton Hall — Los Angeles — LD 43· — 127 Encina-*2383*
Kenaston, John Frederick — Santa Monica — Econ. 117–1 — Delta Kappa Eps.-*O*
[4]Kendall, Abraham Lincoln — San Francisco — LD — 124 Encina
[4]Kendrick, Marie A. — San Francisco — Educ.‡ — Roble
Kengel, Edward Francis — Los Angeles — LD 3·102+6 — Alpha Delta Phi-*J*
[4]Kennan, Eugenia — Phoenix, Ariz. — LD — 270 Roble
[23]Kennedy, Edward L. — Omaha, Nebr. — LD 30+2 — 138 Encina
Kennedy, John Hanscom — Omaha, Nebr. — LD 66+49 — 351 Homer-p
[4]Kennedy, Robert B. — San Jose — Educ. gr. — 841 Willis, SJ-sj
A.B., Stanford, 1924
[1]Kenney, John Edward — Venice — Econ. 131+52 — Phi Delta The.-*1334*
Kenney, John Meredith — San Francisco — LD 49–12 — 210 Encina-*2023*
[12]Kenward, Allan Richard — Berkeley — LD 48–11 — Kappa Sigma-*1326*
[4]Kenyon, Earl Samuel — Santa Clara — Educ. gr. — 1016 Santa Clara, SC-sc
A.B., San Jose State Teachers College, 1927

Kerley, Dorothy Stewart	Los Angeles	Hist. 76·77+99	Pi Beta Phi-*1332*
Kern, Albert Eugene	San Francisco	LD 77–7	Phi Kappa Psi-*1333*
[4]Kerper, Wesley George A.B., Wyoming, 1927	Powell, Wyo.	Law gr.	189 Cowper-p
[5]Kerr, James William A.B., Stanford, 1926	Los Angeles	S.Educ. gr.	Delta Tau Delta-*1363*
[4]Kessler, Frederick Carl A.B., Colorado State Teachers College, 1920	Canon City, Colo.	Educ. gr.	335 Kipling
Kester, Tom Marshall	Pasadena	LD 16+8	227 Encina-*2784*
Keyes, Henry E.	Minneapolis, Minn.	Econ. 101·48+28	508 Encina-*1521*
[6]Khazoyan, Narcis James	Pasadena	LD 83·42+5	317 Sequoia-*1612*
Kibby, Leo Paul	Halfway, Mo.	LD 78–7	505 Encina-*1131*
[4]Kiech, Veon Carter A.B., New Mexico, 1924	Albuquerque, N.M.	Chem. gr.	128 Kingsley-p
Kiefer, Carroll Edward	Riverside	Pre-Med. 90·20–22	102 Sequoia
Kildale, Doris Kell A.B., Stanford, 1926, A.M., 1927	Eureka	Bot. gr.	7 Manzanita-*922*
Kilgore, Martin Ray	Imperial	Econ. 90·42+16	430 Encina-*2712*
Killingsworth, Cecil Clair	Whittier	Geol. 97·36–19	435 Encina-*1774*
Kimball, George Pulsifer	Honolulu, T.H.	LD 90+8	Phi Kappa Sigma-*1306*
Kimball, Gordon Stanley	National City	LD 90+43	137 Branner-*2801*
[4]Kimball, Marshall J.	Fresno	S.Engr‡	212 Toyon
Kimberlin, Dorothy Emilee	Sacramento	LD 58+32	Alpha Omicron Pi-*1367*
[4]Kime, Harold Clark A.B., Culver-Stockton, 1925	Pasadena	Educ. gr.	Cupertino
[4]Kincade, Fay	Shelbyville, Ind.	Ed. G.A.‡	117 Roble
[4]Kincaid, Mary-Joseph	San Antonio	Cl.Lit.‡	332 Forest-p
[5]King, Clarence Van H. A.B., Stanford, 1927	San Francisco	Law gr.	Chi Psi-*1648*
King, Douglas Low A.B., Stanford, 1926	Palo Alto	Law gr.	257 Hawthorne-p
[5]King, Edward Dimmick A.B., Stanford, 1924	Palo Alto	Bot. gr.	144 Kingsley-p
[24]King, Frank Richard A.B., Nevada, 1926	Reno, Nev.	Educ. gr.	507 Encina
King, Guy Russell A.B., Stanford, 1927	Palo Alto	S.Engr. 182+75	651 Gilman-p
King, Harold George A.B., Stanford, 1927	Dinuba	Law gr.	Sigma Chi-*628*
King, Lionel Bayley	San Francisco	LD 86+18	Chi Psi-*1648*
King, Phil John A.B., Stanford, 1927	San Diego	C.E. 87·87+74	Phi Del.Theta-*1334*
[4]King, Raymond Irvin A.B., Stanford, 1923, A.M., 1924	Mayfield	Chem. gr.	Mayfield-m
King, Robert W.	Lima, Ohio	Zoöl.114+46	Delta Tau Delta-*1363*
King, Rowland Rutherford	San Francisco	LD 44+0	125 Encina-*2244*
King, Vern E.	Pendleton, Ore.	Econ. 126+81	306 Sequoia-*1936*
[5]King, Willard Parks A.B., Stanford, 1926	Martinsville, Ind.	Engl. gr.	915 Waverley-p
Kingsbury, Gibson Church	Carmel	LD 25–14	418 Encina-*2052*
Kingsbury, Ross Gladish A.B., Stanford, 1927	Mesa, Ariz.	Econ. 135·45+62	Delta Chi-*1304*
Kinkead, James Alan, Jr.	Palo Alto	LD 44+9	363 Melville-p
[5]Kinkel, Arthur R., Jr.	Hollywood	Geol. 130+84	232 Branner-*2467*
Kinnear, Arthur A.B., Stanford, 1926	San Jose	Pre-Med. gr.	421 N. 4th, SJ-sj

[34]Kinoshita, Arthur Y. A.B., College of the Pacific, 1927	Fukuoka, Japan	Econ. gr.	Japanese Club-*598*
[4]Kinsman, Jean	Yorba Linda	LD ‡	*372* Roble-*1386*
[23]Kinsman, Sallie	Yorba Linda	Engl. 64·76+80	Chi Omega-*1386*
Kirby, Marshall	Beverly Hills	LD 51+46	*337* Encina-*121*
Kirkbride, Audrey Martha A.B., Stanford, 1927	San Francisco	Hist. 181+77	Delta Del. Del.-*1325*
Kirkpatrick, Leonard Henry	Fellows	LD 91+111	635 Bryant-*1081*
[234]Kirwan, Nicholas Pierce	Los Angeles	Econ. 5·180–4	Phi Gam. Del.-*1324*
Kissinger, J. Byron A.B., Stanford, 1927	Los Angeles	Econ. 10·170+2	BetaThetaPi-*1335*
[4]Kistler, Samuel S. A.B., Stanford, 1921, Engineer, 1922	Stockton	Chem. gr.	377E.Santa Clara,SJ-sj
Kitasako, Kenzie	Palo Alto	LD 85+3	848 Ramona-p
[2]Kitow, Edwin K.	Tokyo, Japan	LD 165–*23*	Japanese Club-*598*
Klabau, Theodore	Newton, Kans.	LD 93+28	Sigma Chi-*628*
Klauber, Allan Salz A.B., Stanford, 1927	San Diego	Econ.-Acct.186+139	229 Un.-*1741*
Klein, Herbert Arthur	Los Angeles	Engl. 148+181	202 Toyon-*1842*
[12]Klein, Lawrence Louis	San Francisco	Econ. 91·22–14	10 Dolores-*2665*
[4]Klein, Paul Eugene Ph.B., Chicago, 1920	San Diego	Educ. gr.	Stanford Univ.
[5]Kleinpell, Robert Minssen A.B., Occidental, 1926	Los Angeles	Geol. gr.	209 Union
Kleinsorge, Paul Lincoln A.B., Stanford, 1927	Sacramento	Econ. 186+305	116 Toyon-*576*
Klette, Ada Ruth	Fresno	Hist. 52·92+15	344 Roble-*1147*
Kline, David I.	Visalia	LD 44+33	*229* Encina-*2304*
Kline, Frederick Thomas	Visalia	LD 91+80	*224* Toyon-*2304*
Kline, Oliver	Burbank	LD 91+83	*252* Toyon-*1933*
[5]Klocksen, Marian Leathers	Oakland	Soc.S. 95+119	303 Roble-*2406*
Klotz, Sergius	Coronado	LD 90+28	Phi Gamma Delta-*1324*
[5]Klyver, Fred, Jr. A.B., Stanford, 1927	Fresno	S.Biol. gr.	Menlo Park-*890*
[4]Knapp, Cleon Talboys, Jr.	Bisbee, Ariz.	LD	115 Toyon
[234]Knappen, James F. A.B., Stanford, 1923	Campbell	S.Educ. gr.	1319 Bryant-p
[12]Knight, Cecil Gordon	Stanford Univ.	LD 94+38	214 Sequoia
Knight, Eugene Morrison	Mayfield	LD sp. 16+6	540 Yale, M-m
[4]Knokey, Walter B. A.B., State College of Washington, 1924	Hoquiam, Wash.	Educ. gr.	1933 Waverley-p
[4]Knollin, Ernesto Roy A.B., Stanford, 1914	San Jose	Educ. gr.	1046 S. 7th, SJ-sj
[4]Knotts, Josephine Rebecca A.B., California, Southern Branch, 1925	Elsinore	Psych. gr.	345 Roble-*1005*
Knowles, Dorothy Estella A.B., Stanford, 1926	San Francisco	Engl. gr.	Madroño-*2584*
Knox, John Clay	Waterloo, Iowa	LD 40·45+22	41 Encina-*955*
Knox, Wallace William A.B., Stanford, 1926	Beaver, Utah	Law gr.	Phi Kappa Psi-*1333*
Koch, Carl Robert	Sacramento	S.Engr.90·47+37	313 Sequoia-*1331*
Kocher, Paul Harold A.B., Columbia, 1926	New York, N.Y.	Law gr.	430 Encina-*3027*
Koepke, Reimers Doran	Watsonville	LD 46+20	215 Encina-*2188*
[4]Kofoid, Gladys Hoffman	Fresno	LD‡	853 Channing-p
Kohler, Mary Conway A.B., Stanford, 1926	Los Altos	Law gr.	Los Altos-Box 223,la

von Kopp, Albert William — San Pedro — LD 28–16 — Theta Chi-*1383*
[4]Kormann, Frederick — Glendale — LD — 127 Encina-*2219*
Korn, Kenneth Ernest — Oakland — M.E. 217+113 — 304 Sequoia
A.B., Stanford, 1927
Koster, Thomas Fox — Los Angeles — LD 33–5 — 234 Encina-*1413*
[12]Kotter, Guinivere Ellen — Brigham City, U. — Educ. gr. — Manzanita-*1913*
B.S., Utah Agricultural, 1925; A.M., Stanford, 1926
[5]Kottinger, William Bradford — San Jose — Econ. 90·65+49 — 108 Naglee, SJ-sj
Kramar, Lowell G. — San Francisco — Med. gr. — San Fran. Hosp., SF-sf
A.B., Whittier, 1923
[12]Kramer, Rex Willard — Pilot Rock, Ore. — Law 104+65 — 314 Sequoia-*824*
[4]Kranz, George Albin — Joplin, Mont. — Educ. gr. — 117 Encina
A.B., Montana, 1927
[12]Kranzthor, Gregory M. — El Paso, Tex. — Law gr. — 801 Waverley-*1084*
A.B., Stanford, 1926
Krause, Robert Edwin — Long Beach — LD 84–11 — 240 Toyon-*1028*
Krenz, Eric C.W. — Stockton — LD 48+56 — 326 Encina
[4]Kretsinger, Richard W. — Hastings, Nebr. — Educ. gr. — 211 Toyon
A.B., Doane, 1914
Krohn, Kenneth G. — Raymond — Econ. 5·175+50 — MenloHeights-*2312*
A.B., Stanford, 1927
Kropp, Donald Joseph — San Francisco — Law gr. — 212 Sequoia-*950*
A.B., Stanford, 1926
Krotozyner, Elsa J. — San Francisco — LD 88+81 — 336 Roble-*1512*
Krough, Edward Beverly — San Luis Obispo — LD 85+65 — 15 Toyon-*2033*
Krueger, Albert Paul — San Francisco — Med. gr. — 5441 California, SF-sf
A.B., Stanford, 1925
[2]Kruse, Arthur George — Kekaha, T.H. — LD 5·50–12 — 850 Palo Alto-*1855*
Kulchar, George Victor — Oakland — Med. gr. — 2355 California, SF-sf
A.B., Stanford, 1926
[23]Kunze, Conrad Ewald — Mountain View — LD 29+9 — Mt. View-mv
[12]Kunzel, Fred — San Diego — Law gr. — Zeta Psi-*B*
A.B., Stanford, 1925, J.D., 1927
[1]Kuo, Wei Pai — Lichnen Yuen, China — Pol.S. gr. — Chinese Club-*1138*
A.B., Peking Government Teachers College, 1922
[5]Kurtz, Albert — Menlo Park — Psych. gr. — MenloPark-Bx.485,mp
A.B., Stanford, 1926
Kurtz, Jeanne Virginia — Los Angeles — LD 43+37 — 279 Roble-*2634*
[4]Kushelevsky, Stephen R. — Russia — Econ. ‡ — 19 Salvatierra
[2]Kusumoto, Niroku — Hiroshima, Japan — LD 31+32 — Japanese Club-*598*
[5]Kwaan, Tim On — Hongkong, China — Econ. 34·112+3 — Chinese Club-*1765*
[4]Kyle, John Eldon — San Jose — Educ. gr. — 217 Woodland-p
A.B., Nebraska, 1918
[4]La Chapelle, Paul Andrew — Los Angeles — LD — 111 Encina
[4]Lachele, Clarence Edward — Corvallis, Ore. — Chem. gr. — 115 Alma-p
B.S., Oregon Agricultural, 1922
[234]Laird, Alice Moloy — Palo Alto — S.Educ. gr. — 117 Cowper-p
A.B., Stanford, 1921
[4]Laird, Charles Bruce — Portland, Ore. — LD — 117 Encina
Laird, William Harrison — Los Angeles — LD 37–9 — 120 Encina-*882*
[12]Lake, Lawrence Eldridge — Ross — LD 22–25 — Sigma Alpha Eps.-*1305*
Lamb, James Maynard — Fallbrook — Econ. 9·129+13 — 553 Encina-*802*
[4]Lamb, Mary Alice — Long Beach — Span. gr. — Roble
A.B., Earlham, 1901; A.M., Southern California, 1926
Lamb, Mildred Elizabeth — Lawrence, Kans. — Econ. gr. — 147 Emerson-p
A.B., Kansas, 1926

Lambert, Wilma Lois	Bellingham, Wash.	LD 92+165	357 Roble-*2578*
Land, William Brooke	Oroville	LD 36–17	447 Encina-*2103*
Lane, Harland Boyd A.B., Stanford, 1927	Alexis, Ill.	Law 45·135+43	355 Cowper-p
[4]Lane, Henry John	Eureka	LD	122 Encina
[23]Lane, Josephine Olga	Los Altos	LD 58+42	323 Escobita-p
[12]Lang, Paul H. D. Graduate, Concordia Theological Seminary, 1925	Palo Alto	Cl.Lit. gr.	1035 Parkinson-p
Lang, Richard E. A.B., Stanford, 1927	Seattle, Wash.	Law 181+138	218 Branner-*1863*
Langstaff, Clarence Heald	Pasadena	Pol.S. 90·47+4	410 Encina-*2368*
Lani, Thelma Rose	Elko, Nev.	Law 178+117	535 Hawthorne-*1435*
[4]Lansburgh, Barbara Ethel	San Francisco	LD‡	Roble
[5]Lansburgh, Ruth Muzzy	San Francisco	Cl.Lit. 89+69	182 Roble-*890*
Lapiere, Richard Tracy A.B., Stanford, 1926, A.M., 1927	Laguna Beach	Econ. gr.	625 Hamilton-*970*
[4]Larkey, Ruth Elizabeth	Hayward	Educ. 67·46+34	270 Castro, H-h
Larsen, Arthur Christian	San Francisco	LD 5·95+0	Sigma Chi-*628*
[5]Larsen, Robina Henry	Palo Alto	Span. 138+120	769 Bryant-p
[4]Larson, Lester Eliot	Story City, Iowa	Econ.‡	6 Lasuen-*1334*
[5]Larson, Norman Grant	Berkeley	S.Engr. 120+55	Phi Kap.Psi-*1333*
Larson, Stanley Warren	Claremont	Econ. 88·47+13	616 Forest-p
LaRue, Robert J. A.B., Stanford, 1927	Fresno	S.Educ. gr.	SigmaAlphaEps.-*1305*
[5]Lasater, Carol	Wichita, Kans.	Engl.-P.Sp.29·132+39	D.D.D-*1325*
Lasell, Donald W.	Lodi	LD 46–1	230 Encina-*693*
Lash, Lawrence Aubrey	Rialto	LD 89+91	206 Sequoia-*1653*
Lasley, Frank Robert	Pasadena	LD 44+25	421 Encina-*2291*
Lathrop, Howard Beecher	San Jose	Geol. 90·35–3	Al.Kap.Lambda-*658*
[4]Latimer, Ruth Lucile B.S., Columbia, 1924	Glendale, Ariz.	Educ. gr.	340 Roble
[4]La Torres, Monica P.	San Francisco	LD‡	Roble
LaTourrette, Clinton A.B., Stanford, 1925, J.D., 1927	Lakota, N.D.	Law gr.	314 Union-*822*
[23]Laub, Egbert Warren A.B., Stanford, 1925	Santa Cruz	Chem. gr.	547 Encina-*1701*
Laubersheimer, Anton	Los Angeles	LD 39+5	117 Encina-*883*
Laudenslager, Frederic H.	Newark	LD 40–1	105 Encina
Lauritzen, John Barker	Hollister	LD 93+95	Alpha Delta Phi-*J*
[12]Lavy, William F.	Gridley	LD 12–17	307 Encina-*604*
Lawler, William Horace A.B., Southern California, 1923	Los Angeles	Med. gr.	1925 Pierce, SF-sf
[4]Lawless, Harold Edward A.B., San Jose State Teachers College, 1926	Livermore	Educ. gr.	315 S. 7th, SJ-sj
Lawrence, Frances A.B., Stanford, 1926, A.M., 1927	San Francisco	Bact. gr.	5 Lasuen-*1712*
[4]Lawrence, George Louis A.B., Stanford, 1913, A.M., 1914	San Francisco	Span. gr.	680 Sutter, SF-sf
Lawrence, Robert Bruce	Los Altos	LD 38–26	Los Altos-Box 575A, la
[12]Lawrence, William D. A.B., Stanford, 1927	Merced	Hist. 90·92+128	504 Encina
[5]Lawshe, Henry Francis	Palo Alto	LD 42–7	403 Encina
[4]Lawson, Edith A.B., Stanford, 1910	Sacramento	Engl. gr.	Roble
Lawson, Oliver Crook A.B., Stanford, 1926	Burlingame	Educ. gr.	177 Tasso-*1024*

Laykin, John Jacob A.B., California, 1924	Los Angeles	Law gr.	301 Union-*2284*
[234]Lazar, George Albert, Jr.	San Diego	LD 28+24	405 Encina
[1]Lazarus, Alfred S.	Los Angeles	LD 10+2	427 Encina-*1793*
Lazarus, Lawrence Henry	Los Angeles	Chem. 139+214	202 Toyon-*1793*
[34]Leach, Claude E.	Placentia	LD 106–20	21 Toyon-*1855*
[4]Leach, Marion	Campbell, Idaho	Engl. ‡	352 Roble
Leachman, Frances Marian	Vallejo	LD 41+20	366 Roble-*611*
Lean, Richard Gerichs	San Jose	LD 44+74	309 Encina-*1100*
Lease, Helen	Santa Cruz	S.Biol. 148+222	100 Roble-*1185*
Leavell, Mary Caroline A.B., Stanford, 1927	Phoenix, Ariz.	Span.112·74+76	21Salvatierra-*2313*
[5]Leavitt, Newton Allen	Los Angeles	LD 60+54	Palo Alto Hotel
Lederman, Edward D. A.B., Stanford, 1927	San Francisco	Law 21·164+17	323 Union-*1162*
Lee, Allan A.B., Stanford, 1927	San Mateo	Econ. 50·130+22	245 Gerona-*878*
Lee, Barbara	Oakland	LD 92+97	Alpha Phi-*1387*
Lee, Frank Barstow	Berkeley	LD 42–4	330 Encina-*2473*
[23]Lee, James Fletcher	Hollywood	LD 71+35	35 Lasuen-*847*
Lee, John, Jr.	Palo Alto	LD 86–3	970 Univ.-p
Lee, John Baker, Jr.	S. Pasadena	LD 43+52	251 Encina-*2106*
Lee, John Doulton	Auburn	Econ. 116–22	204 Sequoia-*2743*
[5]Lee, Margaret E. T.	Berkeley	Engl.69·101+18	Gam.PhiBeta-*1337*
Lee, Mary	Palo Alto	LD 72+7	505 Everett-p
[4]Lee, Quong Lun A.B., California, 1927	Berkeley	Law gr.	627 Homer-p
Leeds, Fred Barclay A.B., Stanford, 1924, J.D., 1927	Stanford Univ.	Law gr.	Kappa Alpha-*1356*
Leete, Stuart Felicien A.B., Stanford, 1927	Lodi	Hist.47·133+34	AlphaSig.Phi-*1357*
Lefler, Charles Birk A.B., Stanford, 1927	Los Angeles	Econ.95·92+73	915 Waverley-*2552*
[13]Lefranc, Nelty Delmas	San Jose	Fr. 45·97+3	Alpha Phi-*1387*
[12]Lehr, John W.	Los Altos	Econ. 39·76+11	LosAltos-Bx569,la
Leicester, Henry Marshall A.B., Stanford, 1927	San Francisco	Chem. 189+194	257 Toyon-*2594*
Leistner, Hugo A.B., Stanford, 1927	Palo Alto	C.E. 197+35	244 Toyon-*1737*
[5]Leiter, John Arthur A.B., Stanford, 1927	Portland, Ore.	Law gr.	239 Branner-*1129*
Leiter, Ruth Gifford	Portland, Ore.	LD 70–8	Alpha Omicron Pi-*1367*
Leland, Hugh Hamilton	Ottawa, Ill.	LD 45–2	301 Encina-*1215*
[4]Leland, Raymond Barrett A.B., Iowa State Normal, 1908	San Jose	Educ. gr.	432 S. 12th, SJ-sj
Lemmon, Allen Bosley, III	Palo Alto	LD 44+21	1116 Ramona-p
Lenzen, Theodore Louis A.B., Stanford, 1927	San Jose	E.E. 93·93+156	57 Lenzen, SJ-sj
Leonard, Maurice E. A.B., Stanford, 1927	San Francisco	Hist. 180+85	301 Toyon
Leonhardt, J. Alfred	Covina	LD 39+6	416 Encina-*1424*
Lerchen, Frank Hugh, Jr.	Eagle Rock	S.Engr. 135·38–13	510 Wavly.-*721*
Lechter, Houston B.S., Minnesota, 1924, M.S., 1925	Palo Alto	Chem. gr.	526 Byron-p
[23]Letroadec, Walter Emile	Burlingame	LD 32+43	1546 Newlands, B-b
Leverenz, Humboldt Walter	Paso Robles	LD 44+26	451 Encina-*2662*

[1]Levi, John N. A.B., Stanford, 1927	Los Angeles	Econ. 6·176+73	230 Branner-*2003*
[5]Levi, Leon Herman	Los Angeles	Pol.S. 106+66	202 Branner-*2003*
Levin, John Milton	Seattle, Wash.	LD 45+21	353 Encina-*2797*
[4]Levin, Robert Louis	San Francisco	LD ‡	142 Toyon
[12]Levin, Walter Bennett	San Francisco	LD 70–6	22 Branner
[2]34Levinger, Henry Lawrence	Baker, Ore.	LD 84·32+52	AlphaTauOme.-*1384*
[5]Levison, George Lewis	San Francisco	Econ. 109–8	25 Salvatierra-*2402*
Levit, William Harold	San Francisco	Law 150+142	207 Branner-*1582*
Levitt, Jack	Los Angeles	Econ.48·61–7	759 Middlefield-*2271*
Levy, Adolph Haffenberg	Los Angeles	Law 124+55	239 Toyon-*2741*
Levy, Lionel Annis	Joplin, Mo.	Engl. 142+63	145 Toyon-*1744*
[5]Lewis, Douglas Batchelder	Menlo Park	Econ. 83+13	Beta Theta Pi-*1033*
[5]Lewis, Frank MacBoyle	Portland, Ore.	Law 128+7	Beta Theta Pi-*1335*
[4]Lewis, Hazel M.	Mayfield	LD 22+26	1168 College, M-m
Lewis, Lawrence Delbert	San Francisco	LD 73+2	Delta Tau Delta-*1275*
Lewis, Rhoda Valentine A.B., Stanford, 1927	Honolulu, T.H.	Law 182+339	347 Roble-*535*
Lewis, Richard Field	Piedmont	LD 75+64	405 Kipling
Lewis, Robert Ernest A.B., Stanford, 1926, J.D., 1927	Los Angeles	Law gr.	315 Union-*636*
[1]Lewis, Sidney William	Burlingame	Soc.S.-Jn. 109–4	Th.Del.Chi-*1828*
Lewis, William Terrell	San Francisco	LD 42–11	210 Encina-*1947*
Li, Tao Hsuan	Shensi, China	Educ. 90·29–2	2 Salvatierra-*1143*
[4]Lich, Robert, Jr.	Fresno	LD	142 Toyon
[4]Liddicoat, Roy Leslie A.B., San Jose State Teachers College, 1925	Palo Alto	Educ. gr.	937 Emerson-p
Lieber, Louis Charles, Jr.	Hollywood	LD 45+28	436 Encina-*2553*
[4]Lighton, Edward W. A.B., New Mexico, 1922	Albuquerque, N.M.	Educ. gr.	707 Addison-p
[4]Likens, George Barry	San Francisco	LD	100 Duane, RC-rc
Liliencrantz, Eric G. A.B., Stanford, 1925	Oakland	Med.gr. 1109	Mandana, Oakland-o
Lillie, Raymond Fell	Oakland	LD 95+89	104 Branner-*2303*
Lilly, John Arthur	Balboa	LD 44+51	407 Encina-*1813*
[3]Lilly, Robert Tompkins	Balboa	LD 96–11	University Park-*1385*
[12]Lindblom, Evald Vincent A.B., Stanford, 1927	San Jose	Econ. 180+73	231 Branner
[12]Lindeman, Lafe William	Bethany	LD 30–23	107 Encina
[4]Linder, Ivan Howard B.S., Nebraska, 1923, A.M., 1925	Sacramento	Educ. gr.	Mayfield-Box 258, m
Linderholm, Evelyn Bernice	Menlo Park	LD98+164	StanfordPark-Bx184,p
Lindsay, Robert W.	Stanford Univ.	Soc.S. 140+49	Theta Xi-*1355*
Lindsay, Thomas Irwin	San Jose	LD 96+106	404 Sequoia
[4]Lindsey, Hugh M. A.B., Stanford, 1925	Parker, Ind.	Law gr.	627 Homer
Lindsey, Melzar Mosse A.B., Stanford, 1927	Santa Monica	Hist. 46·135+98	Phi Kap.Sig.-*1306*
Linley, John Theodore	Auzusa	LD 12–28	126 Encina-*2014*
[4]Linscheid, Raymond M.	San Diego	LD sp.	131 Toyon
[4]Linstad, Lina Louise B.S., Minnesota, 1924	Forsyth, Mont.	Educ. gr.	Roble-*1454*
[5]Linton, Donald Crouch A.B., Stanford, 1927	Modesto	Min. gr.	309 Sequoia-*2452*

[4]Lippett, Sidney Grant, Jr.	San Francisco	LD ‡	136 Toyon
Lipsitch, Sidney Lawrence	Los Angeles	LD 89+25	207 Branner-*1546*
[4]Lisberger, Carolyn A.	San Francisco	Psych. gr.	9 Cabrillo
A.B., Goucher, 1905			
Lissman, Marcel Alfred	Sacramento	E.E. gr.	1611 College
A.B., Stanford, 1925, Engineer, 1926			
Lissner, Jay Greenhood	Los Angeles	Econ. 136+51	226 Toyon-*1812*
Little, Berneice Marjorie	Eureka	Span. 48·134+186	114 Roble-*879*
A.B., Stanford, 1927			
[5]Little, Malcolm Cutler	Nogales, Ariz.	Law gr.	Delta Chi-*1304*
A.B., Stanford, 1927			
Little, Winifred Henrietta	Riverside	Cl.Lit. 135·46+30	284 Roble-*2624*
A.B., Stanford, 1927			
[14]Littlefield, Warren Wendell	Stockton	LD 42·23–12	Sigma Nu
Littler, Robert M. C.	Palo Alto	Law gr.	151 Cowper-*2666*
A.B., Stanford, 1925, A.M., 1927			
Livingstone, Stanley C.	San Diego	LD 44+29	347 Encina
[12]Lloyd, Kenneth Paul	San Bernardino	LD 69+26	Sigma Alpha Eps.-*1305*
Lloyd, Paul Eugene	Los Angeles	LD 97+65	Delta Chi-*1304*
van LöbenSels, Helen A. E.	Vorden	LD 85+49	342 Roble-*682*
[1]Lockridge, Hartnell	Monterey	LD 10–6	1344 Tasso-*941*
Loe, Harris Davis	Denver, Colo.	Med. gr.	2201 California, SF-sf
A.B., Stanford, 1926			
[23]Loeffler, Allison Rose	Beverly Hills	LD 26+15	212 Roble-*1593*
[23]Logan, Glen Earnest	Los Angeles	LD 23+23	350 Encina-*2022*
Logie, Ruth Murray	Phoenix, Ariz.	LD 43–1	217 Roble-*613*
London, Earl Manly	Waterloo, Iowa	Law gr.	800 Stanford-*2787*
A.B., Iowa State Teachers College, 1924			
Long, George Irving	San Francisco	LD 58+23	357 Encina-*2755*
[4]Long, Harold Boyd	Princeton	Educ. gr.	733 Homer
A.B., Stanford, 1925			
[5]Long, John Townsend	Los Angeles	Law 118+79	Phi Kappa Sig.-*1333*
Long, Merrill Edward	Oakland	Econ. 143–11	Phi Gam.Delta-*1324*
Long, Richard Edward	Ashland, Ohio	Econ.45·88+27	PhiDel.Theta-*1334*
Longeway, George A.	Great Falls, Mont.	LD 92+151	318 Lytton-*937*
Lonon, Malcolm Sinclair	Crockett	LD 46–3	115 Encina
Loofbourow, Robert Lincoln	Berkeley	LD 95+102	Stanford Univ.-*2158*
[4]Lopez, Gloria Valle	Pomona	Span. gr.	150 Roble
A.B., Pomona, 1925			
Lord, Eda Barron	La Jolla	LD 49+79	270 Roble-*2643*
Lorenz, Lincoln	New York, N.Y.	Engl. gr.	Kingscote-*1572*
A.B., Harvard, 1916, A.M., 1920; Ph.D., Stanford, 1927			
Lorigan, Lorraine Marie	San Jose	Span. 99·81+51	207 Roble-*1636*
A.B., Stanford, 1927			
Loucks, Eugene Wallace	Casper, Wyo.	LD 85·43–7	712 Waverley-p
[4]Loud, Katherine B.	Miles City, Mont.	Educ. gr.	152 Roble
A.B., Pomona, 1925			
Lovekin, Charlotte	Riverside	Engl. 155+144	Kap.Al.Theta-*1766*
Lovelace, Manuel Burr	Dinuba	Min. gr.	Zeta Psi-*B*
A.B., Stanford, 1927			
[23]Low, Duncan Douglas	San Francisco	LD 26+31	789 University-p
[5]Low, John Stewart	Berkeley	S.Engr. 125+30	105 Branner
[5]Lowe, Pardee	Oakland	LD 56+35	130 Encina-*2347*
Lowry, Richard Simms	Oakland	Econ. 136+147	Zeta Psi-*B*
[13]Lozano, Marion Thais	Reno, Nev.	Pol.S.4·103+50	Delta Gamma-*1366*

Luckhardt, Charles Edward San Jose Law gr. 298 S. 12th, SJ-sj
A.B., Stanford, 1925, J.D., 1927
Lucy, Frank Allen Palo Alto LD 77+17 460 Homer-*2133*
[4]Lundberg, Dorothy Grants Pass, Ore. LD ‡ 350 Roble
Lundquist, Ida Marie Middletown Engl.-P.Sp.9·131+162 101Rbl-*1432*
[5]Lundy, Frank Arthur Hollywood Engl. 95·43+46 430 Encina-*2513*
Lundy, Robert Floyd San Jose Econ. 144+138 160 Yosemite, SJ-sj
Lunt, Kathryn Chase Los Altos Pol.S. 180+30 Los Altos-la
A.B., Stanford, 1927
Lusignan, Frank Walter Stockton Pre-Md.96·44+29 228Sequoia-*2176*
Lusignan, Harry A. Stockton Med. gr. 2217 Buchanan, SF-sf
A.B., Stanford, 1925
Lusignan, Joseph Theodore, Jr. Stockton E.E. gr. 329 Union-*2176*
B.S., Massachusetts Institute of Technology, 1925, M.S., 1925
Luther, Chester Francis Auburn Math. 141+208 218 Sequoia-*2714*
Luttrell, Emmet Wright Yreka LD 91+59 103 Sequoia
[4]Lyle, Elizabeth Agnes Glenside, Pa. LD ‡ Roble
Lyle, Leland Ellsworth San Jose M.E. 93·69–9 1119 Curtiss, SJ-sj
Lyman, Clarence Ralph Los Angeles LD 33–5 126 Encina-*2049*
Lynch, Elizabeth Ann San Francisco LD 30·48+50 250 Roble-*2154*
[1,3]Lyon, John Herschel Montrose, Colo. Law gr. Sig.Al.Eps.-*1305*
A.B., Stanford, 1927
Lyon, Joyce Cowling Burlingame LD 74+85 Sigma Kappa-*1327*
Lyon, Lucile Burlingame Ed.G.A. 153+250 Sig. Kappa-*1327*
Lyons, Franklin Heywood San Francisco LD 74·21–15 232 Encina-*1887*
[4]Lyons, John Collum Los Angeles LD ‡ 119 Toyon
Lysle, Joseph A. Brentwood Heights Law 139+30 850 Palo Alto-*1492*
Lyster, Russell Withenbury Los Angeles LD 40·50–1 410 Encina-*507*
[2,4]Lytel, Harvey Maxwell Tulsa, Okla. Min. 168+1 Delta Chi-*1304*
Macabee, Lloyd C. Hayward C.E. 181+35 142 Toyon-*1239*
[7,2]McAllister, Charles H. San Francisco M.E. 150–3 Kappa Sigma-*1326*
McAllister, Sumner H. Salt Lake City, U. LD 97+46 211 Toyon-*67*
McAnear, Beverly Sacramento LD 94+130 216 Sequoia
[4]McAnulty, Ellen Alice Los Angeles Psych. gr. Roble
B.S., Minnesota, 1924
McArthur, Donald McHenry, Miss. Geol. gr. 233 Union-*1743*
[4]Macartney, Helen Douglas Los Angeles LD ‡ 253 Gerona-*1547*
McCabe, Jane Graham Santa Barbara LD 91+59 Delta Gamma-*1366*
McCall, Elizabeth Fluhrer Visalia Phil. 75·105+127 265 Roble-*2483*
A.B., Stanford, 1927
McCall, Ralph Comins Pasadena Law 126+70 260 Toyon-*1533*
McCallum, William Jackson Salinas LD 40–30 124 Encina-*2602*
McCampbell, Maurice Houser Yuba City LD 88+14 Phi Sigma Kappa-*538*
McCandless, John Bole Los Angeles LD 91–3 Delta Kappa Epsilon-*OO*
McCardle, Marion Fresno Soc.S.-Jn.139+40 Kap.Al.Th.-*1336*
McCarger, Donald Portland, Ore. LD 81–7 Chi Psi-*1648*
McCartney, James Stephen Alturas Law 181+61 241 Toyon-*2668*
A.B., Stanford, 1927
[5]McCarty, Alexia Helen San Francisco LD 74+46 Pi Beta Phi-*1332*
McCarty, Donald Walker San Francisco Econ. 182+164 114 Toyon-*2668*
A.B., Stanford, 1927
McCarty, Honora San Francisco Med. gr. 1250 California, SF-sf
A.B., Stanford, 1923
[12]McCasland, Stanford Pasadena C.E. 5·184+45 207 Union-*994*
A.B., Stanford, 1927

[4]McCaughna, Frank A.	Los Angeles	LD ‡	313 Union-*581*
McCaughna, George Webster	Los Angeles	LD 87·37–5	511 Encina-*1246*
[4]McCausland, Harriet Rosa-Lee A.B., Stanford, 1917, A.M., 1927	Palo Alto	Engl. gr.	1419 Byron-p
McClatchie, Winifred Louisa	Palo Alto	LD 99+169	312 Roble
McCleave, Mary Trowbridge	Berkeley	LD 39–5	257 Roble-*2713*
McCleave, Thomas Crooke, Jr. A.B., Stanford, 1926	Berkeley	Bact. gr.	Delta Upsilon-*1353*
[4]McClellan, Herbert Norman B.S., Ottawa, 1914	Berkeley	Educ. gr.	Menlo Heights
[5]McClellan, Thomas Lane	Glendale	Econ. 167+8	Sigma Chi-*628*
[1]McClelland, John Mill A.B., Stanford, 1924, A.M., 1925	Cincinnati, Ohio	Engl. gr.	Menlo Park-Box 5, mp
[4]McClintic, Ray Hugh A.B., San Jose State Teachers College, 1926	Keyes	Educ. gr.	203 Oak
McClintock, John Chamberlain	Altadena	LD 45+53	332 Encina-*2767*
McClintock, Leonard Edgar A.B., Stanford, 1927	Taft	C.E. 40·141+130	228 Branner-*637*
McClintock, Robert Mills	Altadena	LD 46+71	332 Encina-*2767*
McClure, Roy Armand A.B., Stanford, 1927	San Bernardino	Econ. 181+145	420 Hamilton-p
MacClyment, David B.	Riverside	Econ.49·103+10	Phi Kap.Sig.-*1306*
MacColl, Douglass Roy B.S., California, 1914	San Francisco	Med. gr.	2369 Union, SF-sf
[124]McCollister, Earl H. B.L., California, 1903	San Mateo	Span. gr.	150 16th, SM-sm
McCollister, Richard H.	San Francisco	LD 38–7	Menlo School, MP-mp
[5]McColloch, Leland Jordan	Los Angeles	Chem. 173+54	219 Encina-*1306*
[23]McCone, Alan Ivins	Haddonfield, N.J.	LD 46·11–6	427 Encina
[1]McCone, Howard T.	Haddonfield, N.J.	Engl. 87·16–12	1335 Cowper-p
[4]McConville, Francis James A.B., Seton, 1912; A.M., Stanford, 1922	San Mateo	Cl.Lit. gr.	764 Edgewood, SM-sm
McCormack, Douglas Hamilton	Rio Vista	LD 47+37	247 Encina-*2437*
[5]McCormack, James Edward	Pasadena	Psych. 146+62	Phi Kap. Sig.-*1306*
[1]McCormick, Henry	Alameda	M.E. 83–20	Phi Delta Theta-*1334*
[23]McCormick, Lewis M. A.B., Stanford, 1925	Palo Alto	Med. gr.	453 Everett-p
McCormick, Sloan Peckham	Fresno	LD 45+8	216 Encina-*2394*
[12]McCoy, Dohrman Newport	S. Francisco	LD 42–24	119 Encina-*1491*
[1]McCracken, Margaret E.	Beverly Hills	LD 42·58+36	Alpha Phi-*1387*
McCray, Alan Archer	Hollywood	Chem. 9·162+50	Del.Kap.Eps.-*OO*
McCray, Maurice C.	Los Angeles	Econ. 102·62+7	Delta Kap. Eps.-*O*
McCreery, Alice	Tacoma, Wash.	LD 48+11	351 Roble-*2631*
[14]McCreery, J. Harold	Coronado Beach	LD 72–14	Alpha Tau Omega-*1384*
[3]McCue, Gerald Everett	Colusa	Chem. 110–18	446 Encina
McCuen, Theron Lewis	Ione	Educ. 136+4	106 Sequoia-*2153*
McCullough, George Burns A.B., Stanford, 1927	Reno, Nev.	M.E. 180+173	221 Toyon-*1581*
McCurdy, Richard Clark	Pasadena	LD 43+23	422 Encina-*1691*
McDermott, John Carson A.B., Stanford, 1927	Los Angeles	Pre-Clin. 188+243	209 Bran'r-*2555*
McDermott, William Clarence	Los Angeles	LD 82+46	209 Branner-*2555*
McDonald, Clyde Stewart	San Jose	LD 83·40+12	422 S. 10th, SJ-sj
[4]McDonnell, Mary Agnes A.B., Stanford, 1923	Tacoma, Wash.	Educ. gr.	Roble

McDonnell, Robert H. A.B., Stanford, 1927	Kansas City, Mo.	C.E. 82-109+11	Al.Tau Ome.-*1384*
McDougal, James Webster	San Francisco	Hist. 135+16	308 Union-*2504*
McDougal, Kenneth Raymond A.B., Stanford, 1927	Palo Alto	Law 185+283	1290 University-p
[4]McDowell, Carl Elliott	Los Altos	LD	Pacific Grove-pg
[27]McDowell, David C., Jr.	Billings, Mont.	LD 14+18	414 Emerson-p
[5]McDowell, John Ezra, Jr.	Los Altos	LD 39+18	433 Encina-*131*
[5]McDowell, Margaret D. A.B., Stanford, 1926	Palo Alto	Chem. gr.	350 Addison-p
McDowell, Martha Clift	Palo Alto	LD 45+50	370 Roble-*2189*
McDowell, William Clifford	Alameda	LD 118–1	Phi Sigma Kappa-*538*
McDowell, William Peirce	Palo Alto	LD 40-40+1	350 Addison-*2189*
[3]McDuffie, Marshall Scott	Los Gatos	LD 44–26	26 Branner
[4]McDuffie, Richard Warner	Los Gatos	LD	212 Toyon
[4]Mace, Marie	Campbell	LD 16+6	Campbell-Box 412, c
McElhaney, Homer Curran	Palo Alto	LD 50–19	275 Hamilton-*1973*
McElvenny, Ralph Talbot	Tacoma, Wash.	Law 137+45	Phi Gamma Delta
McFadden, Ysidora Lucana	Placentia	LD 83+4	Roble-*1673*
McGavin, Charles Theodore	Los Angeles	S.Engr. 92-44–4	314 Union-*1273*
[12]McGee, Annele Helene	Piedmont	LD 29+2	Roble-*1210*
McGettigan, Carroll Charles A.B., Stanford, 1927	San Francisco	Geol. 198+7	Delta Tau Delta
[4]MacGillivray, Malcolm E. A.M., Chicago, 1921	Riverside	Educ. gr.	241 N. Main, SJ
[4]MacGinitie, George Eber A.B., Fresno State Teachers College, 1925	Fresno	Zoöl. gr.	Pacific Grove-pg
MacGinitie, Harry Dunlap A.B., Fresno State Teachers College, 1926	Fresno	Phys. gr.	19 Salvatierra
[1]McGinn, Vincent Joseph	Tonopah, Nev.	M.E. 77–14	243 Kipling-p
McGonigle, Lawrence E.	Los Angeles	Chem. 109+115	Phi Kap. Psi-*1333*
McGuinness, John Edward A.B., Stanford, 1924	San Francisco	Med. gr.	126 6th Ave., SF-sf
§[1]McGuire, Jack P.	Long Beach	LD 62-14+18	Delta Upsilon-*1353*
McGuire, Thomas Grant	Santa Rosa	Econ. 134+42	PhiDeltaTheta-*1334*
[1]McHose, John Cresco A.B., Stanford, 1925, J.D., 1927	Ashland, Ohio	Law gr.	Phi Delta Theta-*1334*
McHugh, Robert A.	Baraboo, Wis.	LD69-34–15	MenloSchool,MP-mp
[5]McInnes, Robert Alexander	Oxnard	Econ. 174+21	Sigma Al.Eps.-*1305*
[5]McInnes, Thomas F.	Oxnard	Econ. 166+27	Sigma Al. Eps.-*1305*
[4]McIntire, Genevieve Tully A.B., Stanford, 1911	Colusa	Engl. gr.	173 Roble-*2454*
[4]Mack, Adelaide	Pasadena	Engl. 15+14	Kingscote-*1259*
Mack, Augustus Frederick, Jr. A.B., Stanford, 1926	San Diego	Law gr.	307 Sequoia-*1437*
Mack, Charles Edward A.B., Stanford, 1927	Pasadena	Law 181+40	Phi Kappa Psi-*1333*
Mack, Marion	Bakersfield	Econ. 45-90+64	Al. Omi. Pi-*1367*
MacKamey, Rhodus	Palo Alto	M.E. 163+15	263 Lytton-Bx 934, p
McKay, Theodore Sherwood	Monterey	LD 88+37	Alpha Tau Omega-*1384*
[5]McKechnie, Frank A.B., Stanford, 1926	San Francisco	Span. gr.	303 Union
[1]McKee, John Booth	Berkeley	C.E. 127-10–11	875 Post, SF-sf

§ Deceased November 3, 1926.

[124]McKell, David	San Francisco	LD 11–10	116 Encina-*1826*
McKellip, Robert Shinski	Palo Alto	LD 40–8	235 Middlene.d-p
McKenna, Seth Louis	Lemoore	C.E. 157+31	305 Sequoia-*1113*
McKenney, Philip Wash A.B., Stanford, 1924	Oakland	Med.gr. 2727	55th Ave.,Oakland-o
[4]McKenzie, Annie A.B., College of the Pacific, 1927	Lodi	Educ. gr.	149 Cowper-p
MacKenzie, Hope A.B., Oregon, 1922; A.M., Stanford, 1927	Portland, Ore.	Psych. gr.	Kingscote-*2803*
McKeown, David Theodore	Gresham,Ore.	LD 89–11	Sigma Alpha Eps.-*1305*
McKey, Richard Pickard	Los Angeles	LD 84+2	Beta Theta Pi-*1335*
[12]McKim, J. Burton A.B., Stanford, 1927	San Diego	E.E. 90·91+128	203 Sequoia-*2147*
[4]McKinley. Lucius Dean B.L., California, 1901	San Francisco	Educ. gr.	1101 Ramona-p
McKinnon, Alexander M.	Los Angeles	LD 89+8	Delta Upsilon-*1353*
MacKinnon, Donald Stuart A.B., Pomona, 1926	Long Beach	Med. gr.	727 Addison-p
[4]McKnight, Charles Galen	Fresno	Econ. ‡	201 Union
McKnight, Eugene C.	San Diego	LD 88+104	131 Toyon-*1527*
McLaren, Matie Jane	San Francisco	LD 73+26	De ta Gamma
[4]McLaughlin, Norman R.	Fresno	LD ‡	136 Encina
[1]MacLaurin, Donald Leslie A.B., McMaster, 1905	Victoria, B.C.	Educ. gr.	229 Bryant-p
[4]McLean, Charles A., Jr.	Boise, Idaho	LD 68–36	37 Salvatierra
McLean, Corbett A.B., Stanford, 1927	Portland, Ore.	E.E. 181+146	327 Emerson-p
[4]McLean, Hulda Hoover	Stanford Univ.	Soc.S. 54·106+47	37 Salvatierra
[4]McLean, Mary Elizabeth B.S., Muskingum, 1912	Long Beach	Educ. gr.	524 Middlefield-p
McLeish, Alexander A.B., Stanford, 1926	Santa Clara	S.Educ. gr.	1707 Liberty, SC-sc
McLeod, Gladys Marian A.B., Stanford, 1927	San Francisco	S.Educ. gr.	Delta Gamma-*1366*
[1]McLeod, Norman John Ed.B., California, Southern Branch, 1924	Palo Alto	Hist. gr.	367 Everett-p
[1]McManigal, Holden Edgar	Pasadena	LD 98–37	Kappa Alpha-*1356*
[5]McMicking, Joseph R.	Manila, P.I.	LD 34–16	333 Encina-*1683*
McMurray, Donald I.	Aberdeen, Wash.	C.E. 148+105	526 Encina
McNamee. Frank A.B., Stanford, 1927	Los Angeles	Law 181+113	25 Salvatierra-*1240*
McNaught. Robert C. A.B., Stanford, 1927	San Francisco	Pre-Clin. 204+246	301 Branner
[5]McNaught, William K.	San Francisco	Econ. 154+75	301 Branner
MacNaughton, Boyd	Portland, Ore.	LD 43+26	123 Encina-*2577*
[3]McNealy, Dean Brown	Chicago, Ill.	Pol.S. 95·15+5	Alpha Delta Phi
McNelly, Frances Evelyn	Miami, Ariz.	Engl. 90·62+21	241 Roble-*876*
[4]Macomber, Gertrude Louise B.L., California, 1908, A.M., 1923	Burlingame	Math. gr.	1428 Sanchez, B-b
McOmie, Margaret Edith A.B., Stanford, 1927	Los Alamitos	Hist. 187+131	247 Roble-*906*
Macon, George Edward A.B., Stanford, 1927	Los Angeles	Phil. 91·89+71	302 Union-*1677*
McPherson, John Clarke	Portland, Ore.	LD 56+6	353 Encina-*2782*
MacQuiddy,Thomas Malcolm	Watsonville	Econ. 90·45+0	515 Lytton-*1594*
[1]MacRae, Harwood Loomis	Los Angeles	LD 54–5	Delta Upsilon-*1353*

[2345]McRae, Kenneth Clarence	Roseville	LD 29–9	29 Encina-*812*
[4]McVey, J. Philip	Flagstaff, Ariz.	Educ. gr.	112 Toyon
A.B., Colorado State Teachers College, 1923			
[4]Macy, C. Ward	Cedar Rapids, Iowa	Econ. gr.	270 Kellogg-p
A.B., Grinnell, 1920; A.M., Iowa State, 1923			
Macy, Frederick O.	Los Angeles	C.E. 142+159	214 Sequoia-*1855*
[2]Madden, Sidney C.	Fresno	LD 10·77+90	307 Branner-*584*
Maddox, Ben M., Jr.	Visalia	LD 46+43	*229* Encina-*2384*
Madison, Cedric Merit	Lodi	LD 48+16	230 Encina-*716*
Madison, Ryland Randolph	San Mateo	LD 57+11	10 9th Ave., SM-sm
Magee, Thomas Lea, II	San Gabriel	LD 37–6	127 Encina-*1289*
[5]Maguire, William Francis	San Francisco	LD 107+22	Phi Kappa Psi-*1333*
[1]Maharam, Milton M.	Los Angeles	LD 47+25	113 Toyon-*2731*
Mahin, Charles William	Lodi	LD 44+42	*232* Encina-*691*
[5]Mahl, John Thomas	Berkeley	S.Engr. 90·43+3	651 Univ.-*2365*
Mahoney, Paul	Boston, Mass.	LD 98+59	103 Branner-*722*
Mahoney, Rolland F.	Hollywood	LD 67+6	23 Toyon-*2771*
[4]Mailer, James Clark	Santa Rosa	LD	111 Encina
[4]Main, Eva Lucile	Palo Alto	LD ‡	707 Bryant-p
Mainwaring, George Frank	Petaluma	LD 76+9	506 Encina-*2636*
[2]Malcolm, David Ralph	Van Nuys	LD 30+47	359 Encina
Mallory, George Henry	Santa Rosa	Bot. gr.	505 Santa Ynez-*920*
A.B., Stanford, 1920			
[1]Malloway, Robert William	Sites	LD ‡ 48–41	542 Cowper-*1795*
Malmquist, Lincoln Ragnar	Concord	LD 80+56	Sigma Nu-*1385*
[5]Malnick, Irving Lawrence	Oakland	Econ. 12·106–5	131 Branner-*964*
[12]Maltby, Harry Lee	Long Beach	Hist. 121+24	Delta Upsilon-*1353*
[12]Manchee, Marie	Santa Barbara	Span. 5·181+202	218 Roble-*621*
A.B., Stanford, 1927			
Mancini, John Adolph	Hayward	C.E. gr.	525 Encina-*2668*
A.B., Stanford, 1926			
[5]Mandell, Louis	Los Angeles	Hist. 100+114	24 Branner
[5]Mandell, Maurice Hermann	Los Angeles	Hist. 43·101+161	24 Branner
Mann, Arthur Newton	Anaheim	Econ. 156+2	Kappa Sigma-*1326*
Mann, Harold William	Anaheim	LD 42+0	116 Encina-*1912*
Mann, Robert Yale	El Paso, Texas	Econ. 90·46+17	109 Branner-*2561*
[3]Manning, Paul R.	Los Angeles	Pol.S. 111·18+5	841 Bryant-p
Manning, Walter Day	San Leandro	LD 88+26	415 Encina-*727*
[1]Mansfield, James Verne	Palo Alto	Econ. 110+121	1102 Ramona-p
[12]Mansfield, Kenneth Zoellin	King City	LD 46+33	352 Encina-*2752*
Manspeaker, Almon Francis	Hollywood	Cl.Lit. 181+275	181 Lytton-*1861*
A.B., Stanford, 1927			
[5]Maradudin, Alexei Peter	Orsk, Russia	Min. gr.	527 Channing-*1108*
A.B., Redlands, 1926			
March, Arthur Earl	Ft. Collins, Colo.	LD 49+76	204 Encina-*30*
Marks, Eddie Harlan	Stanford Univ.	LD 71+65	Zeta Psi-*B*
[2]Marks, Frank Seraphino	Newman	LD 28+36	359 Encina
Marks, Graham Wallace	Los Angeles	Chem. gr.	510 Encina-*1531*
A.B., Stanford, 1926, Engineer, 1927			
Marlow, Arthur Ashley	San Diego	Med. gr.	2422 Clay, SF-sf
A.B., Stanford, 1925			
Marquis, Donald G.	Bellingham, Wash.	Psych. 53·93+171	Sigma Nu-*1385*
[4]Marr, Pauline	San Francisco	LD ‡	277 Roble
[5]Marrack, Harriet Febiger	Palo Alto	LD 76+26	530 Melville-p

[4]Marsh, Francis Grant — Burlingame — Educ. gr. — Kingscote
Graduate, U.S. Naval Academy, 1910; M.S., Columbia, 1917

[4]Marsh, Maurine Voerge — Burlingame — Span. gr. — Kingscote
A.B., Stanford, 1923, A.M., 1924

Marsh, Melbourne Derge — Hollywood — LD 92+32 — 220 Toyon-*1664*

Marshall, Donald Carlyon — Sunnyvale — Med. gr. — 2209 Buchanan, SF-sf
A.B., Stanford, 1925

[4]Marsters, Lyman Sumner — Halsey, Ore. — Educ. gr. — 219 Ramona-p
A.B., Willamette, 1924

Martin, Ambrose Johnston — Palo Alto — S.Bus. gr. — 331 Hamilton-p
A.B., Stanford, 1926

[4]Martin, Chester Clayton — El Centro — Educ. gr. — 627 Waverley-p
B.S., Miami, 1916; A.M., Columbia, 1923

Martin, Francis Whitney — Palo Alto — LD 93–46 — 525 Lincoln-p

Martin, Harry A. — Calwa City — Econ. 90·100+28 — 305 Branner
A.B., Stanford, 1927

[4]Martin, Ralph Henry — Santa Clara — Span. 103·32+13 — S.Clara-Bx323,sc

[34]Martin, Vincent Lyman — Los Angeles — Hist. 167–11 — Phi Gamma Delta

[4]Martin, Walter Given — Fresno — Educ. gr. — 1627 College
A.B., Ottawa, 1914

[23]Martini, Iride E. — San Rafael — Med. gr. — 1259 Vallejo, SF-sf
A.B., Stanford, 1921

Martins, Samuel M. — San Bernardino — Med. gr. — 2217 Buchanan, SF-sf
A.B., Stanford, 1925

[4]Martz, Mildred — Los Angeles — Econ. ‡ — 355 Roble

[5]Marx, Barbara — Palo Alto — Psych. gr. — Kap. Alpha Theta-*1336*
A.B., Stanford, 1927

Marx, Edward Howard — Hollywood — LD 94+80 — Kappa Alpha-*1356*

Marx, Melville — San Francisco — LD 58+4 — 224 Encina-*2435*

Mason, Bertha Shedd — San Francisco — Med. gr. — 1848 Franklin, SF-sf

Mason, Elizabeth Anne — Madison, Wis. — Engl. gr. — Chi Omega-*1386*
A.B., Wisconsin, 1925

Mason, Lloyd Alexander — Riverside — Law 139+136 — 138 Branner-*1060*

Mason, Marshall — San Francisco — Med. gr. — 1848 Franklin, SF-sf
A.B., Stanford, 1925

Mason, Ruth — Hollywood — LD 88+65 — Kappa Alpha The.-*1336*

[23]Mason, William A. — Hollywood — S.Engr.45·103+30 — 25 Salvtra.-*2028*

[5]Masson, Edmond Eric — Palo Alto — LD 88+47 — 947 Waverley-p

Matfield, DoraKatherine — South Pasadena — LD 46+25 — 170 Roble-*2571*

Mather, Carl Norman, Jr. — Los Angeles — LD 46+55 — 232 Encina-*871*

Mathes, Mary E. — San Francisco — Med. gr. — 2217 Webster, SF-sf
A.B., Oregon, 1920

[14]Mathews, Paul Stockwell — Bluefield, Va. — Law gr. — 531 Hanover-*1954*
A.B., Oberlin, 1922

[12]Mathews, William Calvin — Menlo Park — Educ. gr. — Partridge, MP-*1802*
A.B., Santa Barbara State Teachers College, 1926; A.M., Stanford, 1927

Mathewson, James Donald — San Jose — Econ. 80·100+26 — 245 Toyon-*1855*
A.B., Stanford, 1927

[1]Matta, Amar Dass — Afzalahad, India — S.Biol. 37·143+14 — 511 Encina-*1916*
A.B., Stanford, 1927

[1]Matthay, Ferdinand Lowell — Los Angeles — Law 3·150+59 — 309 Union-*1*

Mattson, Edith Antoinette — San Bruno — Zoöl. 141+198 — 218 Roble-*2029*

Mauser, George Kern — Hollywood — LD 81+44 — Alpha Tau Omega-*1384*

Maxon, Yale Candee — Campbell — Engl. 139+108 — 218 Sequoia-*2707*

[3]Maxwell, Helene — Santa Barbara — LD 66·27–22 — 221 Roble

Maxwell, James G. — Monrovia — LD 28+10 — 44 Encina-*2496*

May, Julius	Los Angeles	LD 58–10	208 Branner-*2196*
Mayer, Barbara Ann A.B., Stanford, 1927	San Francisco	Psych. 180+289	381 Roble-*1964*
[1]Mayer, Gerald Mortimer A.B., California, 1926	Palo Alto	Law gr.	685 Lowell-p
Mayer, Herbert Joseph	San Francisco	LD 43+45	306 Encina
[1]Mayfield, Charles Edgar	Suisun	LD 0–15	Encina-*2029*
[4]Mayo, Scovel Sumner A.B., State College of Washington, 1922	Cheney, Wash.	Educ. gr.	1116 California
Maytham, Frank, Jr. A.B., Stanford, 1927	Stanford Univ.	M.E. 45·138+121	Menlo Hts.-*1224*
Mead, A. Ross	Turlock	LD 78+11	975 Hamilton
Mead, Dorothy Copinger A.B., Stanford, 1927	Palo Alto	Fr. 135·46+73	804 Channing-p
Mead, James Wilkinson	San Rafael	LD 80+27	113 Toyon-*605*
[1]Meadowcroft, Allan James A.B., Stanford, 1926	Modesto	C.E. gr.	303 Union-*1134*
Meadowcroft, Niel Fairhurst	Modesto	LD 43+45	406 Encina-*1134*
[12]Meakin, Jack Brunker	Salt Lake City, U.	LD 98–5	Phi Kappa Sigma-*1306*
[4]Medau, John Edward	San Mateo	LD	113 Toyon
[12]Meehan, William John A.B., Stanford, 1926, A.M., 1927	Redwood City	S.Biol. gr.	Palo Alto-Box 636, p
[1]Meeker, Jean K.	Pomona	Econ. 93·27+32	569 M'd'field-*2022*
Meeks, Thomas Sidney A.B., Stanford, 1927	Hollywood	Law 181+99	Alpha Delta Phi-*J*
Melgaard, Margaret	Oakland	LD 89+93	248 Roble-*1586*
[4]Melick, Marguerite A.B., Wisconsin, 1911	Los Angeles	Span. gr.	38 Lasuen
[4]Mell, Charles Newell A.B., California, 1926	Berkeley	Chem. gr.	Zeta Psi
[4]Mellott, Helen Olive B.S., Northwestern, 1926	Pawhuska, Okla.	Psych. gr.	374 Roble
[5]Melsome, Ruth Marian	Palo Alto	Pre-Nurs. 83·45+16	836 Forest-p
Melton, James C.	Los Angeles	LD 90+6	Beta Theta Pi-*1335*
Mendelowitz, Daniel Marcus A.B., Stanford, 1926, A.M., 1927	San Jose	Ed.G.A. gr.	501 Encina
[4]Mendenhall, Eugene L. B.S., Columbia, 1918	Fond du Lac, Wis.	Educ. gr.	222 Union
[5]Mendenhall, Ferdinand Walter	Van Nuys	LD 83+23	Phi Sigma Kappa-*538*
[5]Mendenhall, Zelda	Palo Alto	Pol.S. 43·71–11	Delta Gam.-*1366*
[5]Menke, C. Fred	Minneapolis, Minn.	Span. 53·43+13	217 Encina-*2025*
[1]Mentz, Wilko, Jr.	Porterville	LD 30·65–4	Delta Upsilon-*1353*
[12]Menzies, John MacIntosh A.B., Stanford, 1927	San Rafael	Econ. 180+20	Chi Psi-*1648*
[4]Mercado, Kate Salisbury	San Francisco	LD‡	349 Roble
[1]Mercado, Louis Robertson	San Francisco	LD 60–19	21 Cabrillo-*2424*
Mercer, Coral Frantz A.B., Montana, 1923	Mayfield	Educ. gr.	1535 College
[12]Mercier, Sidney Armand	San Diego	LD 12–16	323 Encina
Mermod, Léon Emile	Winters	Pre-Med.87·48+56	520Encina-*1133*
Merner, Benetta Delight	San Mateo	LD 44+32	360 Roble-*2516*
[5]Merner, Ward P.	San Mateo	LD 48–3	245 Encina-*2516*
Merrill, Eugene Scherb	Pasadena	Econ. 32·110+63	248 Toyon-*1012*
[12]Merrill, Fred Homer	Los Angeles	Econ. 99·26–5	305 Union-*1532*
Merrill, R. Montgomery A.B., Stanford, 1925	Denver, Colo.	Law gr.	311 Union-*1190*

Merris, Donald F. Pasadena Econ. 90·45+29 407 Sequoia-*I*
Merritt, Louise Sutermeister Ithaca, N.Y. Hist. 116·88+82 Kap.Al.Thet.-*1336*
A.B., Stanford, 1927
[1]Meschakow, Paul Stephen San Francisco LD 18–30 402 Sequoia
[5]Messner, Elmer A. Miami, Fla. Chem. gr. 556 Encina-*893*
A.B., Stanford, 1927
*[24]Mestre, Harold Fresno S.Biol. gr. S.T.C., Fresno-f
A.B., California, 1923
Meyberg, Edwin Julius Los Angeles Econ. 114–2 205 Branner-*1196*
[1]Meyer, Carl W. San Bernardino LD 42–6 333 Waverley-*1495*
Meyer, Margaret Sacramento Ed.G.A. 105+19 Alpha Phi-*1387*
Meyer, Ruth Robinson Palo Alto LD 49+93 312 Roble-*1665*
[4]Meyer, William W. Palo Alto Min. gr. 618 Homer-p
A.B., Stanford, 1926
[1]Meyers, Philip Thomas Bakersfield Econ. 180+62 Delta Chi-*1304*
A.B., Stanford, 1927
[5]Meylan, Edward Fernand San Francisco Educ. gr. 627 Homer-p
A.B., Stanford, 1926, A.M., 1927
[124]Michaels, Henry Atherton LD 37–11 Atherton-*42*
Mieke, Albert John Menlo Park LD 44+22 23 Emelia,MP-Bx 275,p
[4]Miksch, Walter P. McMinnville, Ore. Fr. gr. 436 Florence-p
A.B., Linfield, 1926
Miles, Joseph Harvey Los Angeles LD 89–3 244 Webster-p
Miles, Katherine Los Angeles LD 96+24 303 Roble-*1724*
[1]Milage, James Henry Phoenix, Ariz. LD 14·52+9 424 Seneca-p
Miller, Armin William Milwaukee, Wis. Econ. 103·43+19 218 Branner-*944*
[5]Miller, Arthur Capps Salt Lake City, Utah Law 138+107 217 Toyon-*2056*
[234]Miller, Bernice Elizabeth San Francisco Hist.111+42 KappaKap.Gam.*1354*
[4]Miller, Davis S. Lindsay Econ.-Acct.‡ 444 N. 1st, SJ-sj
[4]Miller, Dorothy Carrie Seabright LD‡ Roble
[4]Miller, Dwight Oliver Hollywood LD 116 Encina
[4]Miller, Evelyn San Jose Span. gr. 59 S. 5th, SJ-sj
A.B., Stanford, 1921
[5]Miller, Fred Harding South Pasadena Law gr. 546 Encina-*2436*
A.B., Stanford, 1923
[14]Miller, George Edward Palo Alto Educ. gr. 720 Cowper-p
B.S., Iowa State College of A. and M. Arts, 1911
[1]Miller, Harold Eugene Mayfield Econ. 180+20 570 Oxford,M-*764*
A.B., Stanford, 1927
Miller, H. Clay, Jr. Palo Alto LD 40+8 225 Encina-p
Miller, John Johnston, Jr. San Jose Med. gr. 2217 California, SF-sf
A.B., Stanford, 1925
Miller, Joseph Adams San Francisco LD 30–29 Phi Gamma Delta-*1324*
Miller, Laura Minty Los Angeles Soc.S. 118+39 Alpha Phi-*1387*
Miller, Louis Gardner Marysville Fr. 9·179+153 236 Branner-*10*
A.B., Stanford, 1927
[5]Miller, Miriam Porterville LD 45+69 306 Roble-*2794*
[134]Miller, Neil Albert Monrovia LD 73·72–1 Alpha Delta Phi-*J*
[4]Miller, Nelda Bellwood, Pa. Educ. gr. 34 Salvatierra
A.B., Goucher, 1917
Miller, Philip J. Los Angeles Med. gr. 2317 Sacramento, SF-sf
A.B., Stanford, 1924
Miller, Ream Victor Riverside LD 81+81 Phi Sigma Kappa-*538*
[5]Miller, Robert Lincoln Berkeley Pol.S. 37·80+19 Del.TauDel.-*1363*
Miller, Roland McLeod Palo Alto Econ. gr. 818 Cowper-p
A.B., British Columbia, 1916; A.M., California, 1920

[4]Miller, Ruth	Bellwood, Pa.	Soc. S.‡	34 Salvatierra
[4]Miller, Ruth Amelia	Oakland	Ed. G.A.‡	110 Roble
[5]Miller, Sally	Porterville	LD 99+147	304 Roble-*2794*
Miller, Stanley Welch	Stanford Univ.	Econ. 90·111+8	311 Sequoia-*66*
A.B., Stanford, 1927			
[1]Miller, W. E. Hutton	Upland	Econ. gr.	Delta Kappa Epsilon-*O*
A.B., Stanford, 1926			
Milligan, Kenneth MacAdam	Long Beach	LD 43+31	31 Encina-*2005*
Milliken, Sheldon Spencer	Pasadena	Law gr.	220 Encina-*1020*
A.B., Stanford, 1925, LL.B., 1927			
Mills, Frances Eleanor	Hollywood	Hist. 85·50+22	346 Roble-*2236*
Mills, Gilbert Hartley	Los Angeles	Econ. 94·50+54	303 Sequoia-*1062*
Mills, Walter T.	Stanford Univ.	M.E. 3·130–17	Boathouse
Milne, Stanley Arthur	Pasadena	LD 44+26	406 Encina-*587*
[4]Minatra, Clelvie C.	Ozona, Tex.	Educ. gr.	312 Toyon
A.B., Colorado State Teachers College, 1924			
[5]Miner, Glen B.	Fairview, Utah	Span. gr.	333 Union-*676*
A.B., Brigham Young, 1924			
[124]Miner, Nagel T.	Palo Alto	Educ. gr.	1116 California-*84*
A.B., Stanford, 1925			
Minner, Victor Julian	Carbondale, Ill.	Min. gr.	Univ. Park-*1086*
A.B., Stanford, 1925, Engineer, 1927			
[12]Minskey, Ruth	Los Angeles	LD 89+116	Roble-*1754*
[3]Mintline, William James	Palo Alto	Pre-Med. gr.	401 Lytton-p
A.B., Oregon, 1926			
Mires, Vincent Hall	San Francisco	LD 43+14	238 Encina-*2785*
[12]Miron, Carlos A.	Guatemala, C.A.	Econ. 188+7	202 Union-*2534*
A.B., Stanford, 1927			
[5]Misaki, Hisakichi	Palo Alto	Educ. gr.	735 Ramona-p
A.B., College of the Pacific, 1926			
[12]Mitchell, Burrell Morley	Salem, Ore.	S.Engr. 94·33+17	550 Kingsley-p
[4]Mitchell, Evelyn Dent	Santa Rosa	Educ. 62·70+97	365 Roble
Mitchell, Hewitt Frenyear	Selma	LD 40+25	15 Encina-2397
[3]Mitchell, Howard Lippert	Palo Alto	Econ. gr.	164 Lowell-p
A.B., Stanford, 1926			
[4]Mitchell, Judith St. John	Los Angeles	Educ. gr.	Madroño
A.B., Fresno State Teachers College, 1925			
[5]Mitchell, Melba	Victoria, Texas	Engl. gr.	Madroño-*687*
A.B., Texas, 1926			
[4]Mitchell, Morley Walter	Vancouver, B.C.	LD‡	Mayfield
Mitchell, Roy Fred	Grass Valley	LD 73+12	23 Toyon-*1784*
Mitchell, William Edwin	Tomales	Educ. gr.	426 Encina-*1784*
A.B., San Jose State Teachers College, 1926; A.M., Stanford, 1927			
Mittauer, Frank Theodore	Albany, Ore.	Engl. 57·74+76	509 Encina-*502*
[1]Miwa, Tanehiko	Koga Fukoka, Japan	LD‡0–13	Japanese Club-*598*
[5]Mock, John M.	Winchester, Idaho	Educ. gr.	431 Wellesley-*1011*
A.B., Washington State, 1923			
[124]Mockett, Paul Hilliker	Kimball, Neb.	LD 58+14	332 Forest-p
Moffitt, Albert Hubbard, Jr.	Oakland	LD 91+24	Kappa Sigma-*1326*
[23]Molseed, Robert Thomas	Petaluma	LD sp. 87+121	339 Kellogg-p
[234]Mondale, Walter E.	Lewistown, Mont.	LD 43·31+6	414 Emerson-p
[5]Monferino, Louis, Jr.	San Jose	Econ. gr.	643 High-p
A.B., Stanford, 1927			
[12]Monfort, Gordon Wright	Santa Barbara	LD 61+10	Kappa Sigma-*1326*
[4]Moninger, Mildred	Glendale	Educ.‡	323 Roble

[4]Monroe, H. Morris A.B., Stanford, 1916	San Francisco	Educ. gr.	Stanford Park
[3]Monson, Otto Junius, Jr.	Santa Monica	LD 48·45+52	129 Branner-*1412*
Montgomery, Charles C., Jr. A.B., Stanford, 1927	S. Pasadena	Span. 90·90+55	Del.Tau Del.-*1363*
Montgomery, Clifton Reynolds	Lodi	Law 145+185	Beta Theta Pi-*1335*
[4]Montgomery, Cora M.	Palo Alto	Educ. 16+8	209 Homer-p
[34]Montgomery, Martha A.B., Stanford, 1923, A.M., 1926	New Albany, Ind.	S.Educ. gr.	Kap.Kap.Gam.-*1354*
Montgomery, Montel A.B., Stanford, 1927	San Francisco	Chem. 183+172	216 Branner-*1088*
[1]Montgomery, Robert Bruce	Lemon Cove	LD 16+19	306 Encina-*584*
Moomaw, Chester Carl	Wilmington	LD 87+3	Delta Tau Delta-*1363*
[4]Moomjean, Helen A.B., California, 1923	Los Angeles	Educ. gr.	477 Everett-p
[12]Moor, Victor Douglas	Vallejo	LD 80+95	244 Webster-p
Moore, Caroline A.B., Stanford, 1927	Stockton	S.Educ. gr.	Chi Omega-*1386*
[4]Moore, Charles Alexander A.B., California, 1920	Orland	Educ. gr.	Alpha Kap.Lamb.-*658*
Moore, Charles Lock	El Cajon	LD 96+70	Alpha Tau Omega-*1384*
Moore, Clifton Hayes	Lodi	Soc.S.-Jn. 138+29	AlphaDel.Phi-*J*
[234]Moore, Fred C.	San Jose	Min. 90·92–12	98 Balbach, SJ-sj
Moore, George Eugene	Lodi	LD 39+7	405 Encina-*1731*
Moore, Helen Louise	Santa Cruz	LD 48·39+2	146 Roble-*2488*
[12]Moore, Howard P.	Zamboanga, P.I.	LD 81–3	Kappa Sigma-*1326*
Moore, Jack Beals A.B., Stanford, 1924	Fresno	Med. gr.	1925 Pierce, SF-sf
[12]Moore, Jack Kuehn	Los Angeles	Zoöl. 136+99	217 Toyon-*1584*
[4]Moore, Joseph Rockefeller B.S., Missouri State Teachers College, 1920	Blythe	Educ. gr.	Madroño
[5]Moorland, Albert F., Jr.	Santa Cruz	Econ.-Acct.97·58+51	531Enc.-*1871*
Moreland, Edward Philip A.B., Stanford, 1927	Burlingame	Fr. 180+102	248 Branner-*1472*
Morf, F. William, Jr.	Chicago, Ill.	LD 38+4	203 Encina-*1026*
[12]Morgan, Edwin Henry	Roseville	Chem. 90·28+0	545 Bryant-p
Morgan, Francis Ketman	Stanford Univ.	LD 85+16	105 Sequoia-*1742*
Morgan, John Rulon A.B., Brigham Young, 1923	Spanish Fork, Utah	Law gr.	333 Union-*732*
Morgan, Nathaniel R.	Stanford Univ.	S.Engr. 145+243	105 Sequoia-*1742*
[4]Mork, Donald James A.B., College of the Pacific, 1921	San Jose	Educ. gr.	327 San Carlos, SJ-sj
Morley, Vivian Albert	Bakersfield	LD 146+112	225 Toyon-*1662*
[4]Moroney, Adele	San Francisco	LD‡	284 Roble
[5]Morrill, Clifton W.	Santa Rosa	Econ. 147+11	Kappa Alpha-*1356*
Morris, Alexander Bogy	Hollywood	LD 44–10	249 Encina-*2182*
Morris, John Royden	Victoria, B.C.	LD 48·41+9	351 Encina-*2491*
[4]Morris, Joseph J.	San Francisco	LD 41–17	111 Toyon
[4]Morris, Myletta Mae B.S., Columbia, 1923	Santa Barbara	Educ. gr.	Madroño
Morris, Virginia Kathryn A.B., Stanford, 1927	Ocean Park	Engl. 97·86+30	Alpha O.Pi-*1367*
Morris, Willard H. A.B., Michigan State Normal College, 1926	Ypsilanti, Mich.	Educ. gr.	183 Everett-p
[3]Morrison, Allan Ross	Stanford Univ.	Pol.S. 90·15+5	23 Salvatierra-*3040*

[4]Morrison, Benjamin Henry Long Beach Educ. gr. 704 Bryant-p
A.B., Colorado State Teachers College, 1918, A.M., 1919
Morrison, Dean X. Seattle, Wash. LD 41+19 215 Encina-*1181*
[4]Morrison, Florence I. Indianapolis, Ind. Span. gr. 102 Roble
A.B., Chicago, 1902, A.M., 1904
[5]Morrison, Gordon Monroe San Mateo Chem. 82·103–2 Theta Xi-*1355*
Morrison, John Blair San Mateo LD 47+38 218 Encina
[4]Morrison, May Helena Sunnyvale Educ. gr. 377 Murphy, S-s
A.B., Colorado, 1919
[13]Morrison, William Gentry Upland LD 63·19–10 Kingscote
[34]Morse, Nathan Charles Fullerton Econ. 135·10–5 Beta Theta Pi-*1335*
[4]Morse, William Russell Palo Alto Engl. gr. 555 Lytton-*1051*
A.B., Harvard, 1876, A.M., 1910, Ph.D., 1914
[1]Morton, Charles Villiers Manila, P.I. LD 20·98–26 Kappa Sigma-*1326*
[5]Morton, Edward Perry Palmyra, N.J. Law gr. 311 Union-*2167*
B.S., Pennsylvania, 1917
[12]Morton, Marcia Ellsworth Los Angeles Hist. 9·172+215 Pi Beta Phi-*1332*
A.B., Stanford, 1927
[1]Mortsolf, Kenneth J. Warm Springs,Ore. Econ. 180+34 Delta Upsilon-*1353*
A.B., Stanford, 1927
[1]Moses, Stanford E., Jr. Newport, R.I. LD 82·15+3 7 San Juan-*1129*
[12]Mosher, Francis W., Jr. San Francisco Soc.S.-Jn. 181+128 227 Bran.-*605*
A.B., Stanford, 1927
Mosher, Helen Elizabeth Long Beach Hist. 139+93 Delta Delta Del.-*1325*
[4]Mosher, John A. Pomona Educ. 101·53+52 234 Union
[23]Moss, Hugh Terrell Long Beach LD 26–3 Serra-*101*
[5]Moss, Thomas Heyden Los Angeles LD 66–5 Zeta Psi-*B*
Mossman, Ralph Westbrook Antioch S.Engr. 135–13 404 Encina-*2413*
Mothershead, John L., Jr. Pasadena LD 46+23 227 Encina-*2531*
Mott, George Fox, Jr. Riverside LD 88+27 316 Sequoia-*688*
Moulton, Virginia Chico LD 91+89 Kappa Kap.Gam.-*1992*
Mudge, Anne Cushman Sacramento LD 90+72 353Roble
Mudgett, Margaret Holt Los Angeles LD 92+71 268 Roble-*1482*
[5]Mueller, Gustave Adolf Pacific Beach Law 122+38 Phi Kappa Sig.-*1306*
Muller, Donald Fletcher San Francisco LD 85+24 Alpha Sigma Phi-*1357*
Muller, Siemon Wm. Vladivostok, Siberia Geol. gr. 8 Union-*521*
A.B., Oregon, 1927
Mullin, John Stanley Los Angeles LD 47+61 334 Encina-*2695*
Mulvaney, Robert Edward Billings, Mont. LD 86·38+9 Sigma Chi-*553*
Mulvey, Anthony San Diego LD 46+11 347 Encina-*1637*
[5]Munholland, John Earl Long Beach LD 119+5 Phi Kappa Psi-*1333*
[4]Munsell, Ruth San Diego Educ. gr. 353 Roble
A.B., San Diego State Teachers College, 1926
Munson, Carl Thomas Azusa Econ. 100·43+4 510 Waverley-p
Murphy, John C. New York, N.Y. LD 40–6 444 Encina
[12]Murphy, Michael Mark Berkeley C.E. 100+11 DeltaKappaEps.-*OO*
[1]Murphy, Paul Fuller Portland, Ore. LD 53–4 Chi Psi-*1648*
[1]Murphy, Paul John Salida Pol.S. 121–20 Delta Upsilon-*1153*
Murphy, Ramund Robert San Francisco Law gr. Sigma Nu-*1385*
A.B., Stanford, 1926
Murphy, Thomas Gabriel Los Angeles LD 44+8 327 Encina-*1877*
Murray, Donald Angus Suisun S.Engr. 136+41 213 Sequoia
[234]Murray, Janet Helen LaGrange, Ill. Econ. gr. 834 Kipling-*1464*
A.B., Vassar, 1926
[5]Musick, Lewis Willis Newark S.Biol. 107+35 16 Branner

Musto, Joseph Clarence	San Francisco	LD 58+6	Delta Tau Delta-*1363*
[4]Muzzall, Ernest Linwood	Garfield, Wash.	Educ. gr.	324 Waverley-p
A.B., State College of Washington, 1923			
Myers, George Sprague	Palo Alto	LD sp. 36+4	336 Homer-*821*
Myers, L. Emery	Glendale	Zoöl. gr.	324 Sequoia-*1170*
A.B., Stanford, 1926, A.M., 1927			
[4]Myers, Morgan Lewis	Omaha, Neb.	LD‡	375 Everett-p
[5]Myers, Ralph Leo	Jackson	Law 56·101+12	559 Encina-*2654*
[12]Myers, Robert Pearce	Long Beach	Law gr.	Phi Kappa Psi-*1333*
A.B., Stanford, 1925, J.D., 1927			
Mynard, Charles Edgar	Oakland	Law 128+85	306 Toyon-*833*
[23]Naff, Clarence Raymond	Hollywood	LD 33+18	111 Encina-*1282*
[3]Nagle, Wesley Michael	El Paso, Texas	LD 25·89+125	104 Branner
Nakamura, Frank Isa	Tottriken, Japan	Chem. gr.	Japanese Club-*598*
A.B., Occidental, 1926			
Nakano, Stewart Kazuichi	Los Altos	LD 94+127	Los Altos-la
[4]Napier, Tressye Margaret	Sacramento	Engl.-P.Sp.‡	1411 Hyde, SF-sf
[12]Nash, Henry Mabry	Fate, Texas	LD 23–18	728 Forest-p
[1]Nash, Lawrence Ward	Polson, Mont.	Geol. 28–12	344 Emerson-p
Nason, Richard N., Jr.	San Francisco	LD 98+80	302 Toyon-*1300*
Natcher, Stanlus Z.	Los Angeles	M.E. 180+75	Zeta Psi-*B*
A.B., Stanford, 1927			
Naumes, Edward Peter	Hood River, Ore.	LD 95+66	249 Branner-*2497*
Neall, Harriet Elizabeth	Eureka	Psych. 90·50+53	331 Roble-*889*
Neef, John Vernor	Santa Cruz	LD 37–8	202 Encina
[4]Neff, Edward Gustav	Crestline, Ohio	Educ. gr.	P.A. Mil. Acad.-*306*
A.B., Cornell, 1915			
[1]Negus, William Nelson	Lompoc	M.E. 75–35	501 Encina-*1107*
[1]Neill, James Palmer	Westwood	LD 15+2	Delta Kappa Epsilon-*O*
[4]Nelson, Charles A.	Mt. Vernon, Wash.	Educ. gr.	12 Union
A.B., Washington, 1906			
Nelson, Clarence Henry	Long Beach	Med. gr.	2317 Sacramento, SF-sf
A.B., Stanford, 1925			
Nelson, Clifford Adolph	San Francisco	LD 94+26	247 Toyon
Nelson, Donald Sheets	Arbuckle	LD 90+21	Phi Kappa Psi-*1333*
Nelson, Edward Houston	Ada, Okla.	Psych. gr.	1168 College-*2454*
A.B., Arkansas, 1915			
[4]Nelson, E. Theresia	Hastings, Minn.	Hist. gr.	204 Roble
B.S., Minnesota, 1923			
Nelson, Helen Eugenia	San Jose	Engl. 4·181+196	363 Roble-*142*
A.B., Stanford, 1927			
Nelson, John Lloyd	Oakland	LD 7·83+32	109 Sequoia-*859*
[4]Nelson, Lawrence Emerson	Redlands	Engl. gr.	338 Cowper-p
A.M., Kansas, 1921			
[4]Nelson, Mary Bertina	Sparks, Nev.	Educ. gr.	240 Roble
B.S., Kansas State Teachers College, 1921			
Nelson, Walter Andrew	Long Beach	LD 86+3	808 Waverley-p
Neuman, Herbert Henry	Turlock	C.E. 95·113+9	205 Union-*1229*
A.B., Stanford, 1927			
Newbegin, John William	Tacoma, Wash.	Econ. 85+27	120 Toyon-*1671*
Newby, Lee Clinton	San Jose	Germ. gr.	950 California, SJ-sj
B.S., California, 1910, M.S., 1911			
[4]Newcomb, Douglas A.	Long Beach	Educ. gr.	332 Union
B.S., Rochester, 1918			
[5]Newcomb, Fred Hayes	Ashland, Ohio	Hist. 117–8	Delta Chi-*1304*
[34]Newcomb, W. Wayne	Rupert, Idaho	Pol.S. 90·69+12	Alpha Tau Omega

[4]Newell, Joseph Carroll San Francisco LD 113 Toyon
[5]Newhouse, Frederic Huntley Hollywood Law 9·118+20 306 Union-*1785*
Newkirk, Dana Sheldon Anaheim Econ. 185+23 Kappa Sigma-*1326*
A.B., Stanford, 1927
[23]Newland, Grace Josephine Palo Alto Ed.G.A. 105·30+22 628 Mid'fi'ld-p
[5]Newland, Leroy Sublette Palo Alto Geol. gr. 628 Middlefield-p
A.B., Stanford, 1927
[5]Newlee, Bailey Hayden,Jr. Mulvane,Kan. Engl. gr. 126 Branner-*1074*
A.B., Stanford, 1927
Newman, Henry Wise Fresno Zoöl.-Med.186+269 218Toyon-*1855*
Newman, Robert Wilson Ogden, Utah LD 15·117+110 Pacific Grove-pg
[5]Newmark, Harris Los Angeles LD 97+40 202 Branner-*1997*
Newmark, Stephen Mark Los Angeles LD 87+48 808 Waverley-*1997*
[4]Newton, Glenn DeWitt Dinuba Law gr. 327 Union
A.B., Stanford, 1924
Nicholas, Marion Irene Los Angeles Hist. 180+249 Kap.Kap.Gam.-*1354*
A.B., Stanford, 1927
Nichols, Eleanor Mary Pasadena LD 72+57 321 Roble-*2702*
Nichols, James Ross Stanford Univ. LD 78–*22* Delta Tau Delta-*1363*
[4]Nichols, John Ralph Palo Alto Educ. gr. 1345 Webster-p
B.S., Oregon State Agricultural, 1922; A.M., Stanford, 1925
[12]Nickell, Morgan Robin Long Beach LD 64+14 Delta Upsilon-*1353*
[23]Nielsen, Elmer Greenville, Mich. Econ. 100·59+6 313 Union-*1753*
[4]Nielsen, Helen Marie San Jose LD 16+3 75 Cleaves, SJ-sj
Nielsen, Maurice Lewis Palo Alto Law gr. 331 Union
A.B., Stanford, 1925
[4]Nielsen, Sigvald Edmonton, Canada Law gr. 805 Waverley-p
A.B., Alberta, 1922, LL.B., 1924
Niemann, Christian William Palo Alto S.Educ. gr. 1176 Emerson-p
A.B., Stanford, 1925, A.M., 1926
Nishimoto, Shigeaki San Francisco LD 94+153 Japanese Club-*598*
Nissen, Eugene W. Alameda Zoöl. 97+35 Phi Sigma Kappa-*538*
[1]Nittler, Rudolph John Oakland Law 52·130+48 Larkin Hotel-p
A.B., Stanford, 1927
Noack, William Raymond Alameda Mil.S. 175+110 234 Union-*1461*
[1]Noble, Burton Avery San Francisco Chem. gr. 851 Lytton-p
A.B., Stanford, 1925, Engineer, 1927
[5]Noland, Harry Leslie Saguache, Colo. Law gr. 232 Union-*1268*
A.B., Stanford, 1926
[5]Norberg, Nils Gunnar Little Falls, Minn. LD 64–1 Kingscote-*1294*
[1]Norberg, Raymond William Los Angeles Chem. gr. 205 Union-*2344*
A.B., Stanford, 1925, A.M., 1927
Nordheim, Ted Kenneth Long Beach LD 45·91+9 176 Bryant
Norman, Charles, Jr. Greenville, Ind. Soc.S. gr. 27 Salvatierra-*2403*
A.B., DePauw, 1922
[5]Norman, Rosamond Monrovia Educ. gr. Manzanita-*1004*
A.B., Pomona, 1910
Norman, Winston Los Angeles LD 92+128 Alpha Sigma Phi-*1000*
Norris, Dorothy Anne Staples, Minn. LD 37+1 534 Channing-p
North, Helen Esther Los Angeles LD 92+61 Gamma Phi Beta-*1337*
North, Julia Miriam Guadalupe, Mex. Engl.-P.Sp.45·84+21 Gm.P.B-*1337*
Northcote, Oliver Stafford Los Angeles LD 87+33 146 Toyon-*105*
Northrop, Burr Delevan Napa LD 38–18 39 Encina-*1674*
[5]Northrop, Robert Starr, Jr. Napa LD 51+24 39 Encina-*1674*
Northway, Frederick James Hughson LD 48+70 329 Encina

Northway, William H., Jr. Hughson Med. gr. 2209 Buchanan, SF-sf
A.B., Stanford, 1926
[124]Norton, Oliver Edward Palo Alto Pol.S. gr. 136 Middlefield-p
A.B., College of the Pacific, 1921
Norwood, Irving C., Jr. Santa Monica C.E. 40·116+67 105 Sequoia
Notter, Harley Arthur Tacoma, Wash. Hist. gr. 200 Portola-p
A.B., Puget Sound, 1925; A.M., Stanford, 1927
[12]Nourse,Barbara Elizabeth San Francisco Ed. G.A. 6·174+1 Kap.Kap.G.-*1354*
A.B., Stanford, 1927
Nowell, Charles Edward Fresno Hist. gr. 323 Union-*941*
A.B., Stanford, 1926
[12]Nowell, John Chase San Mateo LD 52–34 AlphaTauOmega-*1384*
[4]Noyes, E. Louise Santa Barbara Engl. gr. 11 Salvatierra-*2426*
A.B., Northwestern, 1911
[4]Nugent, Donald Ross Arroyo Grande Educ. 58+26 376 S. 6th, SJ-sj
[12]Null, Robert Palmer Los Angeles Econ. 90·38+38 105 Emerson-p
Nunes, James Manuel Niles LD 36–6 346 Encina-*631*
Nunlist, Marshall B. Brooklyn, N.Y. LD 87+102 219 Sequoia-*2213*
[4]Nunn, Marshall E. St. Martinville, La. Span. gr. 841 Bryant-p
A.B., Stanford, 1924, A.M., 1925
[1]Nussbaum, Henry W. Cp. Girardeau, Mo. E.E. gr. 331 Union-*2285*
B.S., Mississippi A. & M., 1924; Engineer, Stanford, 1927
[23]Nute, John Warren Palo Alto LD 49·33+1 158 Emerson-p
Nute, William Burrows Palo Alto Econ. 90·46+9 158 Emerson-p
Nutt, Jack Los Angeles LD 40+23 205 Encina-*1467*
[1]Nutter, Edward Allen Berkeley LD 4·76–34 235 Ramona-*2532*
Nye, Harry Safford Alhambra LD 45+25 329 Encina-*1617*
[4]Nye, Helena May Palo Alto Germ. gr. 281 Addison-*923*
Ph.B., Marietta, 1902; A.B., Stanford, 1905
[1]Nye, Irvine H. Alhambra LD 60–21 Sigma Chi-*628*
Nyquist, Herbert Palo Alto LD 44+11 167 Rinconado-p
[4]Oakes, Maud Claremont Educ. gr. 535 Cowper-p
A.B., Pomona, 1922
[4]O'Brien, Harold Eugene Hayward Educ. gr. 1 Lasuen
B.S., Nevada, 1920
O'Brien, Richard Joseph San Francisco LD 91–8 Alpha Sigma Phi-*1357*
[5]O'Carroll, Harry James San Jose Min. gr. 409 Sequoia-*2321*
A.B., Stanford, 1926
[2]O'Connor, James Wallace Venice LD 75–20 Phi Delta Theta-*1334*
Odell, Harvey Hardy Los Angeles LD 40–5 512 Encina-*2461*
Odemar, Walter Henry Los Angeles Law gr. 258 Toyon-*1299*
A.B., Stanford, 1927
O'Donnell, Edward Sheridan Los Angeles LD 43+28 446 Encina-*2205*
[5]O'Donnell, Stephen Francis Los Angeles Soc.S.-Jn.145+16 PhiGam.D.-*1324*
[4]Oertel, Ernest E. Seattle. Wash. Educ. gr. 548 Webster-p
A.B., Washington, 1920; A.M., California, 1925
[23]Oestreich, Louise E. Albuquerque, N.M. LD 64·30+21 212 Roble-*1901*
[4]Off, Charles Frederick Los Angeles LD 14 Lasuen
[5]Offerman, Gustav Henry San Francisco Educ. 151+32 204 Union
Ogden, George W., Jr. Hollywood Phys. 50·130+73 542Emerson-*2668*
Ogden, Lionel Edward Santa Monica Econ. 180+10 Delta Kappa Eps.-*O*
A.B., Stanford, 1927
Ogden, Roderick Alan Hollywood Med. gr. 2402 California, SF-sf
A.B., Stanford, 1925
Ogden, William Winston Santa Monica LD 56–10 Delta Kappa Eps.-*OO*

Ogg, Richard Andrew, Jr. Palo Alto LD 110+209 369 Forest-p
O'Hara, Francis Paul Hollywood Med. gr. 2201 California, SF-sf
A.B., Stanford, 1924
O'Hara, Joseph Jerome Hollywood Med. gr. 2201 California, SF-sf
A.B., Stanford, 1925
Okumoto, Yoshio Hilo, T.H. Pre-Med. 24·123+91 2 Alvrdo-*1444*
[5]Oliva, David Melvin San Francisco Law gr. 522 Encina-*I*
A.B., Stanford, 1925
Oliver, Ethel Broome Glendale S.Educ.gr. Delta DeltaDelta-*1325*
A.B., Southern California, 1926
[1]Oliver, Joseph Raymond Fresno LD 13–3 351 Encina-*2126*
[4]Oliver, R. Russell Seattle, Wash. Econ. 135·25+3 1500 Univ.-*1363*
Olney, Cora Dorothy Ross Soc.S.66·123+145 Alpha Phi-*1387*
A.B., Stanford, 1927
Olsen, Alonzo Young Venice LD 46+42 335 Encina-*1002*
[4]Olsen, Daniel Minter Palo Alto Educ. gr. 114 Toyon-*2804*
A.B., Stanford, 1925
Olsen, George Fredric, Jr. Los Angeles LD 44–14 31 Encina-*2129*
Olsen, Margaret Los Angeles Phil. 139+261 *225* Roble-*1846*
[1]Olsen, William Alvin Santa Rosa S.Engr. 88·4–9 204 Sequoia
Olsen, William Irvin San Mateo Econ.90·44+34 114 Warren,SM-sm
Olson, Louis Victor Salt Lake City, Utah LD sp. 126+49 3 Union-*1171*
Olson, Lyle Williams Sioux Falls, S.D. LD 93+73 Alpha Tau Omega-*1384*
[5]O'Malley, Charles D. San Francisco Hist. 128+34 134 Toyon
Oneal, Duncan San Jose Law 43·155+13 Del.TauDel.-*1363*
A.B., Stanford, 1927
[4]O'Neill, Thomas Joseph Los Angeles Chem. gr. Phi Delta Theta
A.B., Santa Clara, 1925
deOng, E. Ralph Berkeley Zoöl. gr. 1141 Oxford, B-*b*
B.S., California, 1915
[4]Opgenorth, Olive Carolyn Tacoma,Wash. Hist. gr. Roble
A.B., Wisconsin, 1916; A.M., Stanford, 1923
[1]Ophüls, Clara Louise San Francisco LD 67+13 KappaKap.Gam.-*1354*
Ophüls, Ernst Carl San Francisco LD 87+38 Alpha Delta Phi-*J*
Orem, Hollis Salt Lake City, Utah S.Engr. 191+170 1205 Fulton-p
A.B., Stanford, 1927
[12]Orsborn, Ernest Vincent San Francisco Phyl. gr. 1212 Gough, SF-sf
A.B., Stanford, 1926
[23]Orton, Frederick Gutherz San Francisco Phil. 114+63 Theta Delta Chi-*1828*
Osborn, Clarence Gladden Palo Alto Hist. gr. 660 Waverley-p
A.B., Stanford, 1926, A.M., 1927
[4]Osborn, Eleanor Bellingham, Wash. Educ. gr. 246 Roble
B.S., Columbia, 1914
[23]Osmonson, Willis E. Palo Alto LD 57–13 Kappa Alpha-p
[5]O'Sullivan, John Clark Morgan Hill LD 85+10 213 Sequoia-*2008*
[4]Osuna, Aurelia Marie Albuquerque, N.M. Span. gr. 109 Roble
A.B., New Mexico, 1922
[4]Osuna, Pedro Albuquerque, N.M. Pre-Med. gr. 204 Union
B.S., New Mexico College of Agriculture, 1920
Otis, Webster Bailey Pasadena S.Bus. gr. 113 Encina
A.B., Stanford, 1926
[4]Otto, William August Mountain View Educ. gr. 327 View, MV-mv
A.B., Michigan, 1906
[5]Ouderkirk, William R. Honolulu, T.H. Law 84·102+88 555 Harvard, M-m
[4]Ouimet, Harold Kingsbury San Jose Educ. gr. 265 S. 11th, SJ-sj
A.B., San Jose State Teachers College, 1927

§[1]Oulie, Nestor A.B., California, 1925	Los Angeles	Med. gr.	Stan.Med.School, SF-sf
[234]Overfelt, Harold A.B., Stanford, 1925	San Jose	S.Bus. gr.	Sigma Nu-*1385*
Owen, Margaret	Palo Alto	LD 89+77	Kap.Alpha Theta-*1336*
[5]Owens, Edgar Preston	Aetna Springs	Phil. 176+89	12 Homer Court-p
[4]Owens, Nan C. A.B., San Jose State Teachers College, 1924	San Jose	Ed. G.A. gr.	195 Reed, SJ-sj
[4]Owens, Ruby Frances	Santa Cruz	LD‡	236 Roble
Ownby, James, Jr.	Gridley	Chem. 157+53	Kappa Sigma-*1326*
[1]Pabst, William D.	San Francisco	LD 50–41	Phi Kappa Psi-*1333*
[4]Packer, Elizabeth E. A.B., Vassar, 1896	Glencoe, Ill.	Educ. gr.	1211 Middlefield-p
Paddleford,George Stetson	Tampico,Mex.	LD 79–11	146 Toyon-*697*
[1]Paddock, James Edgar	Bakersfield	LD 38+18	1047 Ramona-p
[5]Padgett, Vernon Wallace	Pine Bluff,Ark.	LD 110+89	307 Branner-*849*
[5]Page, Dorothy A.B., Stanford, 1926, A.M., 1927	Santa Barbara	Fr. gr.	Madroño-*2582*
Page, Ernest Winslow	Berkeley	LD 45+49	140 Encina-*2112*
Page, Howard Wheeler A.B., Stanford, 1927	Los Angeles	Chem. 9·171+90	*226* Union-*106*
[5]Page, Iola Alma	Stanford Univ.	Phys. 147+88	176 Roble-*504*
[5]Page, William A.	Los Angeles	Law 124+73	1001 Ramona-p
Pahl, Rudolph Mentz	Berkeley	LD 42+26	315 Encina-*2036*
Paine, Robert Findlay	San Francisco	LD 43+29	433 Encina-*3035*
Paine, Robert Treat	Redlands	LD 46–19	Alpha Tau Omega-*1384*
Paine, Roy Eddy A.B., Stanford, 1927	San Francisco	Min. 191+180	302 Sequoia-*2218*
Painter, David Staples, Jr.	San Francisco	LD 92–4	Theta Delta Chi-*1828*
[5]Painter, Edwin Merle	Bakersfield	LD 82+98	212 Toyon-*1503*
Palazzolo, Salvatore T.	San Francisco	LD 43+27	2630 19th St.,SF
Palisi, Thomas A.B., Stanford, 1927	San Francisco	Chem. 91·89+67	720 Cowper-p
[1]Palmberg, Herbert George	Astoria, Ore.	LD 8–5	109 Encina-*1278*
[12]Palmer, Adelaide Dingley	Palo Alto	LD 70+33	Delta Delta Delta-*1325*
Palmer, Alfred Marlatt	Rosalia, Wash.	LD 45+13	445 Encina-*1160*
[4]Palmer, Carolyn Spencer	S. Pasadena	Engl.‡	*367* Roble
[4]Palmer, Frederick Robie A.B., Stanford, 1924	Palo Alto	Educ. gr.	1035 Emerson-p
Palmer, W. Lewis	Palo Alto	S.Engr. 160+53	369 Churchill-p
[23]Pamphilon, George Maxwell	Burlingame	LD 30+17	2015 Broadway, B-b
[5]Pan, Ta Kuei A.B., Stanford, 1927	Peking, China	Pol.S. gr.	Chinese Club-*1136*
Paradise, Robert Eliot A.B., Stanford, 1927	Los Angeles	Law 49·132+223	208 Branner-*100*
Pareja, Francisco	Cuzco, Peru	Math. 141+115	Columbia-Bx 304, p
Park, Kenneth Marvin A.B., Stanford, 1927	San Francisco	Engl. 182+285	109 Toyon
[4]Parker, Darrell Russell A.B., Stanford, 1926	Phoenix, Ariz.	Educ. gr.	Phi Sigma Kappa-*538*
[1]Parker, Truman Alfred	La Jolla	LD 61+34	Kappa Sigma-*1326*
[4]Parson, Alexander C.	Oakland	Bact. 26–18	420 Lowell-p
Parson, Charles Elliott	DeKalb, Ill.	Phys. 78·135–2	PhiGam.Del.-*1324*

§ Deceased January 2, 1927.

Parsons, John Frederick	San Diego	S.Engr. 90·45+33	616 Forest-p
Parsons, Lloyd Samuel	Palo Alto	Econ. 145+52	633 Middlefield-p
Pascoe, George Lahey	Martinez	LD 75+42	University Park
Pashgian, Yezneeg Constant	Pasadena	Econ.95·39+31	232 Branner-*1577*
Pasmore, John Lane A.B., California, 1924	Berkeley	Med. gr.	2201 California, SF-sf
Patchett, Ernest Lynn	San Luis Obispo	Geol. 107+63	ThetaDelta Chi-*1828*
[23]Patchett, Hubert Allan	San Luis Obispo	LD 80+1	Theta Delta Chi-*1828*
Patek, Sadie D. A.B., Stanford, 1911	San Francisco	Med. gr.	2355 Broadway,SF-sf
[12]Patrick, William Robert	San Francisco	LD 28+5	Delta Upsilon-*1353*
Patten, Charles Harold	Edmond, Okla.	LD 25–24	335 Encina-*2024*
Patten, Eleanor	Alhambra	LD 7·87+51	Kap.Alpha The.-*1336*
Patterson, Edmund DeWitt	Redlands	Soc.S. 129+56	240 Branner-*2684*
Patterson, La Fayette L. A.B., Birmingham-Southern, 1924	Dadenville, Ala.	Pol.S. gr.	115 Everett-p
[34]Patterson, Orval Henry	Chico	Hist. 90·48+60	558 Encina-*2668*
Patterson, Ruth Anita	Fresno	LD 46+64	366 Roble-*2697*
Pattiani, Elizabeth A.B., Stanford, 1927	Piedmont	Econ.22·158+125	Delta Gam.-*1366*
Paul, Carl John	Redwood City	LD 21·89+60	20 Birch, RC-rc
[4]Paulding, Ruth A.B., California, 1914	Arroyo Grande	Span. gr.	Roble
[5]Paulsmeier, Albert Carl	Oakland	Chem. 99·25–7	628 Gilman-p
[4]Paxton, Jessie Kirkland A.B., Stanford, 1919, A.M., 1921	Pasadena	Engl. gr.	Kingscote
[4]Paxton, Margaret A.B., Fresno State Teachers College, 1923	Fresno	Educ. gr.	Kingscote
Paxton, Roger McKinley	Ashland, Ohio	Econ. 90·40–2	Delta Chi-*1304*
Payton, Curtis Charles	Ferndale	C.E. 143+19	227 Sequoia-*1604*
[12]Payton, Francis Walter	Yuba City	LD 60–16	407 Waverley-*1562*
[4]Pearson, Gerald Leondus A.B., Willamette, 1926	Turner, Ore.	Phys. gr.	1047 Ramona-p
[1]Pearson, Lu Emily Hess A.B., California, 1921	Palo Alto	Engl. gr.	576 University-p
[5]Pease, Marjorie Estelle A.B., Stanford, 1927	Palo Alto	Math. gr.	707 Bryant-p
[23]Pease, Richard Arthur	Hollywood	LD 29+7	436 Encina-*705*
[3]Peasley, Margaret	Los Angeles	LD 107–12	Kap.AlphaTheta-*1336*
[12]Peck, Alice Hawley	Hollywood	Psych. 9·186+31	12 Mirada-*1337*
[5]Peck, John Broderick	Honolulu, T.H.	Pre-Med.107+70	Phi Sig.Kap.*538*
[5]Peck, Sara Katheryn A.B., Stanford, 1927	Merced	Engl. gr.	Del.Del.Del.-*1325*
[4]Peck, S. Louise A.B., Minnesota, 1903	Kerman	Educ. gr.	205 Emerson-p
Peck, Templeton	Pomona	LD 89+131	120 Toyon-*95*
Pedersen, Thorwald	Visalia	LD 36+19	123 Encina-*1948*
Peers, Robert Stewart A.B., California, 1925	Colfax	Bact. gr.	2355 California, SF-sf
Peery, Horace Taylor A.B., Stanford, 1927	Porterville	Econ. 106·76+7	PhiDel.The.-*1334*
[1]Pegram, Reginald Byrne A.B., Stanford, 1927	Los Angeles	Law 181+32	Alpha Tau Om.-*1384*
[5]P'ei, Chien A.B., Stanford, 1927	China	Bot. gr.	Chinese Club-*960*

[4]Peipers, Pauline A.B., Stanford, 1926	S. Pasadena	Educ. gr.	114 Roble-*1354*
[4]Peirce, Ruth Juniata B.S., South Dakota, 1909	San Diego	Econ. gr.	261 Roble
Peirsol, Madge A.B., Pomona, 1921	Claremont	Med. gr.	2217 Webster, SF-sf
Pence, Edward A. A.B., Stanford, 1927	Mountain Home, Idaho	Econ. 54·126+26	Sigma Chi-*1407*
Pendleton, Philip Y.	Stanford Univ.	Law 48·115+16	ThetaDel.Chi-*1828*
Pennebaker, George F.	Los Angeles	Econ. 97·50+17	312 Union-*2256*
Pennington, Ada Virginia	Salem, Ore.	LD 9·39+12	245 Roble-*2443*
Pepys, Frederick Courtenay A.B., Stanford, 1926	La Jolla	Law gr.	307 Sequoia-*2226*
Percy, William Armstrong	Los Angeles	Law 150+8	Zeta Psi-*B*
Perin, Raymond J.	Burlingame	LD 50+29	20 Encina-*1755*
Pering, Alfred Vernon A.B., Stanford, 1926, Engineer, 1927	Palo Alto	E.E. gr.	660 Forest-p
Perkins, Barbara Merrihew A.B., Stanford, 1927	San Francisco	Span. 180+170	Kap.Alp.The.-*1336*
Perkins, Horace Hall A.B., Stanford, 1927	Santa Ana	Engl. 90·92+32	Hotel Palo Alto
[4]Perovich, Mary Helen	San Jose	LD‡	1776 Pacific, SJ-sj
[5]Perovich, Paul A.B., Stanford, 1927	San Jose	Chem. gr.	527 Encina
[1]Perrin, Harry Burnham A.B., Stanford, 1927	Mankato, Minn.	Econ. 76·110+103	PhiKap.Psi-*1333*
[4]Perry, George Louis	Sully, Iowa	Pol.S. ‡	270 Kellogg-p
[4]Persinger, Clark E. A.B., Cornell College, 1897; A.M., Nebraska, 1900	Modesto	Hist. gr.	335 Bryant-p
[1]Peteler, Francis Judson	Santa Barbara	Psych. 87·	728 Forest-p
Peters, Agnes Drummond A.B., Stanford, 1927	Alameda	Engl. 107·82+71	244 Roble-*2723*
Peters, Joe Forman, Jr.	Stockton	LD 36–18	324 Encina-*1093*
[5]Peters, Stanley Davis	Denver, Colo.	Econ.85·83+27	Sg.AlphaEps.-*1305*
Petersen, Carol B. A.B., Stanford, 1927	Oakland	Econ. 181+107	Chi Omega-*1386*
Petersen, Irving Harold	Richfield, Utah	LD 8·74–10	240 Toyon-*2667*
Peterson, Harold W. A.B., Stanford, 1927	Portland, Ore.	Law 189+198	217 Branner-*951*
Peterson, Hilbert William A.B., Stanford, 1922	Omaha, Neb.	S.Bus. gr.	Palo Alto-R1,Bx12,p
[4]Peterson, John Oscar A.B., Kansas, 1920	Jerome, Ariz.	Chem. gr.	619 Webster-p
[1]Peterson, Thomas J.	Los Angeles	Law 98+58	Santa Teresa-*2381*
[1]Peterson, William Payson A.B., Cornell College, 1923	Menlo Heights	Law gr.	Menlo Heights-*2427*
[4]Pettengill, Robert Donnell A.B., Arizona, 1926	Tucson, Ariz.	Econ. gr.	20 Cabrillo
[4]Petty, Mary A.B., Mills, 1920	Madera	Engl. gr.	346 Roble
[4]Pfrimmer, Vashti A.B., Iowa State Teachers College, 1924	Oakland	Soc. S. gr.	Roble
[4]Phair, Ruth Churchman	Sebastopol	Psych. 121+130	361 Roble
Phelps, William Harlow	Los Angeles	LD 42–12	336 Encina-*1471*
[1]Philip, George C.	Omaha, Neb.	LD 102+8	553 Encina
Philippi, Robert Louis	Norwalk	Ed.G.A.123+91	PhiGamaDel.-*1324*

[4]Phillips, Alice Elizabeth	San Francisco	LD‡	Roble
[4]Phillips, Helen Jennings	San Francisco	LD‡	511 16th Ave., SF-sf
Phillips, LaForest E., Jr.	Palo Alto	Bact. gr.	1449 University-p
A.B., Stanford, 1926			
Pierce, Claire Mary	Los Angeles	LD 22·43+13	215 Roble
Pierce, Margaret	Los Angeles	LD 50+44	365 Roble-*2613*
[1]Pierce, William, Jr.	Suisun	LD 50–35	317 Union-*596*
Pigott, Arthur William	Maricopa	LD 37–13	207 Encina-*2038*
[5]Pigott, Josephine Gwenneth	San Jose	Ed.G.A.57·120+2	Kp.Al.The.-*1336*
Pillsbury, Arthur F.	Yosemite	S.Engr. 145+96	119 Toyon-*1684*
Pischel, Bradley Dart	Salt Lake City, U.	LD 38–16	304 Encina-*2457*
[4]Pischel, Rose Marie	San Francisco	LD‡	314 Roble
Pison, Donato T., Jr.	Molo, Iloilo, P.I.	LD 61·50+14	407 Turner, SM-sm
[5]Pitcher, Carter Lee	Moscow, Idaho	Chem. gr.	Delta Chi-*1304*
B.S., Idaho, 1925			
[4]Plant, Catharine M.	Palo Alto	LD‡	455 Forest-p
[4]Plate, Agnes Groves	San Jose	Psych.‡15+20	309 Roble
Plate, Phoebe Elizabeth	San Jose	LD 44+73	262 Roble-*2703*
Platt, Howard Charles	San Francisco	LD 44–3	223 Encina-*1817*
[4]Plowe, Janet Quentin	Hollywood	Bot. gr.	Pacific Grove-pg
A.B., Stanford, 1925, A.M., 1926			
Plumb, Jane Wheldon	Pasadena	LD 91+4	Kappa Kappa Gam.-*2694*
[1]Poepoe, Sam Keao	Honolulu, T.H.	Law gr.	564 Encina-*533*
A.B., Hawaii, 1926			
[23]Pollak, John D.	Albany, Ore.	Pre-Med.93·29+4	451 Encina-*828*
Polland, W. Scott	San Francisco	Med. gr.	2201 California, SF-sf
A.B., Stanford, 1925			
[4]Polley, Mary Electa	Manila, P.I.	Educ.‡	426 Waverley-p
Pollock, Wayne Evans	Clarksburg	Med. gr.	2323 Sacramento, SF-sf
A.B., Stanford, 1924			
Polverino, Joseph John	San Francisco	LD 60+64	224 Encina-*2456*
Poole, Barbara Denny	Ithaca, N.Y.	LD 48·45–2	354 Roble-*2135*
Poole, Robert William	Redwood City	LD 73+21	248 Washington,RC-rc
[4]Pope, Antoinette C.	Ojai	Educ. gr.	249 Roble
A.B., Santa Barbara State Teachers College, 1923			
[23]Pope, James Edison	Mayfield	LD 22·43+1	420 Fernando, M-m
Pope, Norris Francis	Santa Cruz	LD 36–15	206 Encina-*2674*
[23]Popenoe, Herbert Franklin	Altadena	Psych. gr.	333 Kipling-*1152*
A.B., Stanford, 1922			
Porter, Andrew O.	S. Pasadena	LD 46+37	109 Encina-*2207*
[4]Porter, Dorothy Frances	Fresno	Phyl. gr.	218 Roble
A.B., Stanford, 1924			
Post, Alfred B., Jr.	San Jose	Econ. 184+111	Alpha Kap. L.-*658*
A.B., Stanford, 1927			
Post, Edward Harrison	San Diego	S.Engr. 90·29–8	Beta Theta Pi
[124]Post, Elias	Berkeley	Econ. 97+62	Zeta Psi-*B*
Post, Hoyt Gibbard	Los Angeles	S.Engr. 100–9	212 Toyon-*2011*
Post, Janet G.	San Jose	LD 81+142	Chi Omega-*1386*
[3]Post, Seraphim Fred	Berkeley	M.E. 133+156	Zeta Psi-*B*
Pottenger, Adelaide Marie	Monrovia	Cl.Lit. 88·41+4	234 Roble-*1218*
Potts, George Hamilton	Los Angeles	C.E. 124+12	Alpha Sig. Phi-*1357*
[5]Poulson, Wardle Ellis	Beverly Hills	C.E. 164+9	Beta Theta Pi-*1335*
[4]Poultney, Hobert Robert	Arcata	Zoöl. gr.	Pacific Grove-pg
A.M., Utah Agricultural, 1926			
Powell, Henry Peabody	Santa Ana	Math. 90·45+57	403 Sequoia

Powell, Katharine Louise	San Francisco	LD 86+16	KappaAlphaThe.-*1336*
[4]Powelson, Donnel E.	Provo, Utah	Chem. gr.	236 Toyon
B.S., Brigham Young, 1925			
[1]Powers, Frances Robinson	Palo Alto	S.Biol. 183+61	1200 Bryant-p
A.B., Stanford, 1927			
Powers, Herbert W.	Pacific Grove	M.E. gr.	204 Sequoia-*1123*
A.B., Stanford, 1926, Engineer, 1927			
Powers, Marylyn	Los Angeles	LD 42+3	384 Roble-*2512*
Powers, Ralph Marion	Pacific Grove	LD 36+47	121 Encina-*1123*
[12]Poytress, William Henry	San Jose	Hist. gr.	143 Pershing,SJ-sj
A.B., California, 1916			
[12]Prael, Charles Fredrick	Astoria, Ore.	LD 62+73	331 Encina-*1468*
[4]Prager, Lawrence Henry	San Francisco	LD‡	135 Toyon
Prather, John Roy	Los Angeles	Pol.S. 48·108+0	PhiDeltaTh.-*1334*
[4]Prathey, John Roy	Los Angeles	Pol.S. 156+0	Phi Delta Theta-*1334*
Pratt, Charles Pearson	San Francisco	Hist. 94–3	211 Branner-*685*
[4]Pratt, Gladys	Visalia	Educ.‡	Roble
Pratt, Norman U.	Belvidere, Ill.	LD 96+108	735 Guinda-*983*
[2]Pratt, Russell Wilson	San Francisco	LD 6–12	348 Encina
Preston, Fred Platt	Los Angeles	Econ. 87·69+7	Theta Chi-*1383*
[13]Preston, John Beverly	Palo Alto	LD 62+13	Phi Delta Theta-*1334*
Preston, Mary Isabel	Santa Clara	Med. gr.	1076 Jefferson, SC-sc
A.B., Stanford, 1919, A.M., 1920			
[4]Price, Eva Rebecca	Redlands	Span. gr.	361 Channing-p
A.B., Chicago, 1904; A.M., California, 1925			
Price, Fred V.	Long Beach	Econ. 180+27	Delta Kappa Eps.-*O*
A.B., Stanford, 1927			
Price, John Basye	Stanford Univ.	Zoöl. 126+62	5 Alvarado-*733*
Price, Luther Glynne	Kosse, Texas	Med. gr.	Relief Home, SF-sf
A.B., Stanford, 1925			
Price, William Clay	Los Angeles	Law 142+19	Phi Kappa Psi-*1333*
[4]Priest, Duff Wallace	Virginia City, Nev.	Law ‡	316 Union
[3]Prime, Silas Burr	San Francisco	Hist. 100·13–8	33 Salvatierra
[12]Prince, David Treadway	Carmel	LD 93–33	245 Toyon-*2616*
Prince, Richard N.	Alameda	LD 79+9	Phi Kappa Psi-*1333*
Prior, William Wilson, Jr.	Escondido	LD 89+76	137 Branner-*2128*
Prisinzano, Gandolfo	San Mateo	LD 61+40	132 Branner-*695*
Prisinzano, James Edward	San Mateo	Law 146+179	132 Branner-*605*
[5]Probasco, Barbara Sherman	Burlingame	Educ. gr.	Delta Delta D.-*1325*
A.B., Stanford, 1927			
[12]Proctor, Ruth Agnes	Stanford Univ.	LD 31+25	7 Dolores-*41*
[5]Provan, Howard	San Jose	Educ. gr.	Schroeder's Camp-*2751*
A.B., Stanford, 1927			
Pryor, Donald Anthony	San Francisco	LD 22·39+11	137 Encina-*2518*
[4]Pryor, Roy Jay	Palo Alto	Educ. gr.	428 Forest-p
A.B., Stanford, 1921, A.M., 1924			
Pubols, Daniel Otto	Portland, Ore.	Pol.S. 90·47+30	451 Encina-*1052*
Purcell, James C.	Represa	Law 137+95	226 Sequoia-*1766*
[12]Purkiss, Albert Cassius	Santa Maria	LD 57–17	Phi Delta Theta-*1334*
[1]Purnell, George Roberts	Sacramento	Engl. 24·172+94	306 Union-*124*
A.B., Stanford, 1927			
Pushman, Garabed T., Jr.	Chicago, Ill.	Phil. 100·45+10	317 Sequoia-*2042*
[4]Pushman, Grace	Chicago, Ill.	LD‡	252 Roble-*2042*
Pushman, Thomas Hall	Chicago, Ill.	Soc.S.100·43+34	317 Sequoia-*2042*

Putnam, Albert George	San Francisco	LD 86+45	Phi Gamma Delta-*1324*
Putnam, Alice Eaton	Boise, Idaho	LD 42+15	107 Roble-*2166*
Putnam, William Clement	Exeter	LD 87+66	109 Sequoia
Quarnstrom, Arthur A.	Sycamore, Ill.	LD 95+8	110 Branner-*712*
[5]Quayle, Elwood LeRoy	Oakland	LD 122–4	257 Toyon-*1095*
Queen, Greenville Burton	Louisa, Ky.	LD 101+80	261 Hawthorne-p
Queen, William Foster	Louisa, Ky.	LD 93–2	261 Hawthorne-p
Querna, Milburn H.	Madison, Minn.	LD 50+40	417 Encina-*1951*
[5]Quinlan, James Benjamin, Jr.	Monrovia	Pol.S. 124·72–14	915 Waverley-p
[4]Quinley, Lester H.	Ceres	Educ. gr.	661 Gilman
A.B., College of the Pacific, 1923			
Quinn, Dorothy Margaret	Stockton	Engl.-P.Sp.134+45	Al.Om.P.-*1367*
Quinn, Edward Morgan	Stockton	Pre-Med.134+95	319Sequoia-*2367*
Quinn, Emmet A.	Grand Junction, Colo.	Law gr.	Phi Gamma Delta-*1324*
A.B., Stanford, 1926			
[134]Quinn, Tom Brennan	Stockton	Law gr.	Sigma Nu-*1385*
A.B., Stanford, 1927			
Raaf, John Elbert	Pocatello, Idaho	Med. gr.	2402 California,SF-sf
A.B., Stanford, 1926			
[4]Raas, Aline Elise	San Francisco	LD	357 Roble
Rachford, Leo Charles	Alturas	Pol.S.144+92	Mountain View-mv
[5]Radir, Paul Leininger	Los Angeles	S.Biol. gr.	Kingscote-*M*
A.B., California, 1924, A.M., 1925			
Rae, James Ewing	Pasadena	Econ. 135+56	PhiKap.Sigma-*1306*
[23]Raffetto, Estral J.	Santa Barbara	Econ. 117–17	Kappa Sigma-*1326*
[4]Ramey, Earle	Marysville	Hist. gr.	304 Union-*1207*
A.B., Stanford, 1925			
[5]Ramsay, Kenneth E.	Farmington, Me.	Law gr.	1230 Emerson-p
A.B., Bowdoin, 1915			
[24]Ramsey, Richard Craig	Stanford Univ.	Econ. 12·14+24	20 Lasuen-*838*
[124]Ramsey, William Maxwell	Los Angeles	Chem. 156–10	Sigma Chi-*628*
Randall, Velma Marjory	Los Angeles	Engl.-P.Sp. 180+182	Pi B.P.-*1332*
A.B., Stanford, 1927			
Randol, Edwin Compton	Fresno	LD 39+22	208 Encina-*1991*
[12]Randorf, Arthur Porter	Buffalo, N.Y.	LD 16–28	450 Encina-*1010*
Raney, Mary Evangeline	Morgan Hill	LD 104+163	270 Roble-*667*
Rankin, Ansil Robert	Samoa	Law 131+37	139 Branner
Rankin, Carlisle Clark	Palo Alto	LD 103–9	Alpha Tau Omega-*1384*
Ranney, Rufus Percival	Cleveland, Ohio	Law 130+51	Sigma Nu-*1385*
Raoul-Duval, Richard	Paris, France	Law 12·123+13	419 Florence
Rapp, Robert Edward	Los Angeles	Pol.S.gr.	236 Toyon-*1893*
A.B., Stanford, 1926, A.M., 1927			
Rathbone, Robert Hale	Hollywood	Med. gr.	2321 Sacramento,SF-sf
A.B., Stanford, 1924			
[5]Rathbun, Harry John	San Jose	Law gr.	21 Salvatierra-*2171*
A.B., Stanford, 1916, Engineer, 1920			
Rathman, Theodore Singiser	Hollywood	LD 91+24	Kappa Alpha-*1356*
Ratzell, Ralph Donald	Calistoga	Econ. 90·90+58	229 Union
A.B., Stanford, 1927			
Rauta, Archie Wilfred	Bakersfield	LD 48–19	501 Encina-*1702*
[234]Rawlins, Grove Allen	Willows	LD 30–3	352 Encina-*2542*
Ray, Charles Richard	San Francisco	LD 24·119+28	247 Branner
[23]Ray, Herndon Carroll	Knight's Landing	LD 118+5	8 Dolores-*2151*
[234]Ray, James Melvin	Redwood City	Educ. gr.	323 E. Brewster, RC-rc
A.B., Stanford, 1927			

Ray, John Wilbur	Los Angeles	LD 92+7	Theta Xi-*1355*
Ray, William Alton A.B., Stanford, 1927	San Francisco	M.E. 197+83	247 Branner
Raymond, Robert	Brooklyn, N.Y.	Econ. 47·93+28	206 Branner-*2351*
[4]Rea, Ernest Lloyd A.B., Stanford, 1901	Riverside	Cl.Lit.gr.416W	SanFernando,SJ-sj
Read, Jesse Wilmot A.B., Stanford, 1927	Tacoma, Wash.	Pre-Cl. 190+219	229 Branner-*20*
[12]Read, Joseph C.	Long Beach	S.Engr. 103+1	236 Toyon-*1801*
[1]Read, Walter Ervin	Long Beach	LD 6–12	236 Encina-*1811*
Reasoner, John Snively	San Francisco	Law 146+137	240 Toyon-*2186*
Reasor, Charles Lew	Fresno	LD 94+50	Theta Chi-*1383*
[4]Redeker, Harry Erwin B.S., Idaho, 1912	Boise, Idaho	Chem. gr.	Stanford Univ.
Redfield, Sidney C.	Clemenceau, Ariz.	LD 45·47+8	351 Encina-*1149*
Reed, Charles Abner A.B., Stanford, 1927	San Jose	Econ. 90·92+25	108 Sequoia-*1431*
[4]Reed, Aurelia Virginia A.B., Redlands, 1926	San Bernardino	Educ. gr.	306 Roble
[12]Reed, Charles Donald	Brooklyn, N.Y.	LD 65+3	Phi Sigma Kappa
Reed, Earl Elbert	Nampa, Idaho	LD 42+22	302 Encina-*1283*
[4]Reed, Isa Dolores A.B., Nebraska, 1911, A.M., 1916	Chico	Psych gr.	308 Middlefield-p
[5]Reed, Robert E. B.S., Idaho, 1926	Coeur d'Alene, Idaho	Law gr.	318 Union-*1098*
[12]Reed, Warren D.	San Jose	S.Engr.90·30–9	640 Gilman
Reeder, Anson M.	Huntington Park	LD 83+5	Kappa Sigma-*1326*
Reeder, Lorraine Caroline	Oakdale	LD 99+137	GammaPhiBeta-*1337*
[4]Reene, Mary Elizabeth	San Francisco	Educ. 40·	306 Fulton-p
[1]Rees, Denton Jiles	Sacramento	LD 53–22	Kappa Sigma-*1326*
[4]Rees, Jenkins Bennett A.B., Lombard, 1903	San Jose	Educ. gr.	487 N. 15th, SJ-sj
[5]Rees, John H.	Los Angeles	LD 73–14	Alpha Delta Phi-*J*
[23]Reese, Charles Alonzo A.B., Stanford, 1925	San Jose	Educ. gr.	629 S. 10th, SJ-sj
Reeve, Richard Hugo A.B., California, 1926	Oakland	Engl. gr.	302 Union-*966*
[4]Reeves, Jonathan F.	Ft. Stockton, Tex.	Educ. 16+8	446 Forest-p
Rehrig, Houston	Los Angeles	LD 94+55	Zeta Psi-*B*
Reich, August	Bakersfield	LD 138+100	Pacific Grove-pg
[23]Reich, William Walter A.B., Philippines, 1917, B.S., 1919; A.M., California, 1921, Ph.D., 1923	Berkeley	Med. gr.	1007 Ordway, B-b
[1]Reichmuth, Anton L.	San Francisco	M.E. 151–10	375 Everett-p
Reid, John T.	Palo Alto	LD 47+89	704 Bryant-*986*
[4]Reid, Robert Morrison LL.B., Michigan, 1911	Hayward	Educ. gr.	1345A, Hayward-h
[1]Reid, Sam C.	Palo Alto	LD	343 Coleridge-p
Reily, John McClintic	San Bernardino	LD 82+12	244 Webster-p
[4]Reimer, Gustav Adolph B.S., Kansas State Teachers College, 1918	Reedley	S.Biol. gr.	454 Hamilton-p
[5]Reinhart, Phillip W. A.B., Stanford, 1927	Houston, Texas	Geol. gr.	208 Union-*605*
[3]Reinoehl, Donald Earl	San Francisco	LD 81–14	Menlo Park
[4]Reister, Esther Ann A.B., Whitman, 1926	Cashmere, Wash.	Engl. gr.	377 Roble

[4]Reiterman, Carl — Needles — Educ. gr. — 706 Cowper-p
A.B., Stanford, 1921
Rendtorff, Gertrude E. — Stanford Univ. — Econ.15·116+113 — 30Alvarado-*1302*
[4]Renfrow, Thomas Owen — Kingsburg — Educ. 135·30+16 — 221 Toyon-*2413*
[4]Rennick, Howard Leroy — Mulvane, Kans. — Educ. gr. — 549 Cowper-p
B.S., Kansas State Teachers College, 1926
[14]Rensch, Hero Eugene — Palo Alto — Soc.S. gr. — 922 College-*1231*
A.B., Pomona, 1915
[5]Renwick, W. Bruce — Billings, Mont. — Law gr. — Delta Tau Delta-*2756*
B.S., Minnesota, 1926
Renzel, Ernest Henry — San Jose — LD 93+52 — Sigma Nu-*1385*
[1]Rettig, Fred E. — Palo Alto — LD 40–5 — Palo Alto-Rt. 1, Bx 34,p
Revell, John Harold — Los Angeles — LD 42+0 — 321 Encina-*568*
[1]Reynolds, Charles Nathan — Palo Alto — Soc.S. gr. — 460 Amherst-*1266*
A.B., Oregon, 1913, A.M., 1921; Ph.D., Stanford, 1927
Reynolds, Herbert K. — Portland, Ore. — Psych. 143+125 — Menlo Park-*1828*
[12]Reynolds, James Eugene — Pasadena — Econ. 103+44 — Phi Delta The.-*1334*
[12]Rhine, Nathan Albert — Palo Alto — Law 180+61 — 308 Branner-*62*
A.B., Stanford, 1927
Rhodes, Foster Bond — Pasadena — LD 84+45 — Alpha Delta Phi-*J*
Rhodes, Patricia Etheridge — Vallejo — LD 49+73 — 370 Roble-*2405*
Rice, Marjorie Eastman — San Diego — LD 96+69 — Delta Gamma-*1366*
[23]Richards, George L., Jr. — Los Angeles — LD 27–2 — 221 Encina-*1711*
Richards, G. Roberta — Lodi — LD 92+56 — 307 Roble-*1882*
[23]Richards, Lawrence W. — Los Angeles — Geol. 221–6 — Delta Upsilon-*1353*
Richards, Lynn Stephen — Salt Lake City, U. — Law gr. — 244 Ramona-p
A.B., Brigham Young, 1925
[5]Richards, Mernon C. — Long Beach — Econ. 124+58 — 845 Waverley-p
[1]Richardson, Alan C. — Stanford Park — Chem. 40·143+61 — 101 Calif., SF-sf
A.B., Stanford, 1927
Richardson, Bruce M. — San Francisco — M.E. 183+90 — 228 Toyon-*627*
A.B., Stanford, 1927
Richardson, Daniel Gaches — Berkeley — LD 43+21 — 315 Encina-*2111*
[12]Richardson, George Channing — San Jose — S.Biol. 119·64+30 — 99 S. 17th, SJ-sj
A.B., Stanford, 1927
Richardson, Hildur — San Gabriel — LD 47+32 — 276 Roble-*2774*
Richardson, Howard C. — Pasadena — LD 45–14 — 235 Encina-*1797*
Richardson, James, Jr. — Monrovia — LD 87+29 — 244 Webster-p
[1]Richardson, Ralph Waldo — Palo Alto — LD 38–25 — Palo Alto-Box 241B, p
[1]Richardson, William Hord — Los Angeles — Geol. 197+62 — Delta Upsilon-*1353*
A.B., Stanford, 1927
[5]Richman, Frederick Ingleby — Los Angeles — Law gr. — Theta Chi-*1383*
A.B., Stanford, 1927
Richmond, Preston A. — Honolulu, T.H. — Educ. gr. — 209 Union-*911*
A.B., Idaho, 1919; A.M., Stanford, 1927
Richter, Margaret Rose — Los Angeles — Engl. gr. — 15 Madroño-*1076*
A.B., Stanford, 1917; A.M., 1918, Ph.D., 1927
[12]Ricker, Christine Isabelle — Stanford Univ. — S.Bus. gr. — 33 Lasuen-*1069*
B.S., Simmons, 1917
Ricketts, Charles W. — Los Gatos — Econ. 90·47+20 — 408 Sequoia-*645*
Ricketts, Victor Lafayette — Palo Alto — LD 46+30 — 1020 Waverley-p
Ricklefs, Clarence L. — Glendale — LD 37·43+10 — 352 Encina-*508*
[4]Rider, John Melvin — Arroyo Grande — Chem. ‡ — 1110 Glenn, SJ-sj
[1]Ridley, Daniel Graves — San Jose — Math. gr. — 231 Union-*1268*
A.B., Stanford, 1924, J.D., 1926
[12]Ridley, Kenneth Felton — San Jose — LD 129+82 — 640 Gilman-p

[12]Ridley, Newton Robly — San Jose — LD 66+36 — 640 Gilman-p
[1]Riedman, Fred Merlin — Long Beach — Law gr. — 220 Kipling-p
A.B., Redlands, 1926
§Riege, George Charles — Fresno — LD 95–2 — 222 Branner-*1139*
Riese, Elmer F. — Huntington Park — Econ. 132+5 — Phi Delta Theta-*1334*
[5]Riese, Raymond Max — Huntington Park — Educ. gr. — Phi Delta Theta-*1334*
A.B., Stanford, 1927
Riley, Charles F. — Klamath Falls, Ore. — Pol.S. 67·88+35 — Kingscote-*981*
Riley, William Brand — Portland, Ore. — LD 91–7 — Zeta Psi-*B*
Ring, Douglas H. — Salt Lake City, Utah — LD 52·46+41 — 446 Encina
[12]Rinn, Robert Henry — Lodi — Law gr. — 310 Sequoia-*1292*
A.B., Stanford, 1925, J.D., 1927
[12]Ritchie, Harry Ward — S. Pasadena — LD 56·62+54 — 576 Hale-*2601*
Rittenhouse, Helen M. — Phoenix, Ariz. — Engl. 182+97 — Gam.Phi Beta-*1337*
A.B., Stanford, 1927
Ritter, Lucy Elizabeth — Stockton — LD 45+34 — 178 Roble-*1864*
[12]Rittler, Lida — Palo Alto — Span. 102+20 — 339 Seale-p
[134]Rivero, Manuel — Caracas, Venezuela — Geol. 110–8 — 213 Union-*1484*
Riveroll, Sheldon — San Diego — LD 120+48 — Theta Delta Chi-*1828*
Rixford, Emmet Lane — San Francisco — Med. gr. — 1795 California, SF-sf
A.B., Stanford, 1926
Rixford, Henry Covington — San Francisco — Med. gr. — 1795 California, SF-sf
A.B., Stanford, 1926
Roantree, James D. — San Francisco — LD 43+14 — 306 Encina
[12]Robb, David Alexander — Berkeley — LD 50–21 — Delta Kappa Epsilon-*O*
Robert, Henry Flood — Coronado — Econ. 180+0 — Zeta Psi-*B*
A.B., Stanford, 1927
Roberts, Archie M. — San Francisco — Med. gr. — 2239 California, SF-sf
A.B., Southern California, 1924
[4]Roberts, Bertha Elderkin — San Francisco — LD‡ — 332 Forest-p
[4]Roberts, Esther Lindberg — Redlands — LD 16+17 — 361 Channing-p
Roberts, John Donald — San Jose — C.E. 90·44+2 — 738 S. 2d, SJ-sj
[4]Roberts, William Henry — Redlands — Psych. gr. — 361 Channing-p
A.B., Rochester, 1910
[1]Roberts, W. Jim — San Mateo — S.Engr. 79–20 — 232 Branner-*1786*
Robertson, Alan Hazelton — Santa Monica — Law gr. — Phi Kappa Psi-*1333*
A.B., Stanford, 1927
Robertson, Donald Logan — Modesto — Med. gr. — 2402 California, SF-sf
A.B., Stanford, 1924
Robertson, George Donville — Los Angeles — LD 104+69 — 401 Lytton-p
Robertson, Jamie Logan — Visalia — LD 89+0 — Sigma Nu-*1385*
Robertson, John W. — San Francisco — Med. gr. — 1133 Greenwich, SF-sf
A.B., Stanford, 1926
Robesky, Donald Albert — Bakersfield — Econ. 137+31 — 203 Toyon-*1553*
[12]Robinson, Arthur Alan — Fresno — Econ. 58·139+54 — 335 Union-*1623*
A.B., Stanford, 1927
Robinson, Edwin Gardner, Jr. — Aurora, Ore. — LD 43–4 — 235 Encina-*1551*
[8]Robinson, Elmo A. — Menlo Heights — S.Educ.gr. — MenloH't's-Bx 719,mp
B.S., Massachusetts Institute of Technology, 1909
[23]Robinson, Joseph William — Los Angeles — LD 30+30 — 209 Encina-*1352*
Robinson, Marjorie H. — Phoenix, Ariz. — Phil. 21·106+64 — Pi Beta Phi-*1332*
Robinson, Russell Gideon — Santa Monica — S.Engr. 102·56+71 — 448 Encina-*652*
[5]Robinson, Sidney William — Reno, Nev. — Law gr. — 507 Encina-*901*
A.B., Nevada, 1924

§ Deceased August, 1927.

Rode, Howard Schaeffer	Oakland	Pol.S. 107+75	133 Branner
Rode, John Kinsey	Etna	LD 22–20	404 Encina-*634*
[5]Rodegerdts, Carl Ernst A.B., Stanford, 1927	Sacramento	Law gr.	Sigma Chi-*628*
Rodgers, Edward Ernest	San Luis Obispo	LD 45·50+34	200 Encina-*1875*
[124]Roehr, G. Lowell	Hughson	LD 91–3	445 Encina
Rogers, Alfred Emery A.B., Stanford, 1926	Los Angeles	Law gr.	Delta Chi-*1304*
[5]Rogers, Camillus	San Mateo	Engl.90·54+25	826Jeffersn,SM-sm
[4]Rogers, Charles Oliver	Hayward	LD	109 Encina
[4]Rogers, Frances Lillian A.B., Arizona, 1925	San Pedro	Educ. gr.	Madroño
Rogers, Frederick Owen	San Francisco	Chem. 90·59+44	406 Sequoia
Rogers, John Baxter, Jr.	Los Angeles	Soc.S.-Jn.34·103+66	341 Emsn.-*841*
[5]Rogers, John Millard	Los Angeles	LD 86+22	Delta Kappa Epsilon-*O*
Rogers, Kenneth Alfred A.B., Stanford, 1927	Winnipeg, Man.	M.E. gr.	Kappa Alpha-*1356*
[4]Rogers, Marvin Alexander A.B., Stanford, 1922	Banning	Educ. gr.	245 Ramona-p
[1]Rogers, Mildred Kate A.B., Huron, 1918	Wessington, S.D.	Educ. gr.	Manzanita
[23]Rogers, Vance C.	Burbank	LD 32+12	281 Embarcadero-*1453*
Romonofski, Anton	San Bruno	Min. 142+50	San Bruno-Bx 52,sb
Rood, Reginald Shepard A.B., Stanford, 1927	San Diego	Phyl-Med. 188+247	S.Al.Eps-*1305*
[1]Root, Herbert B.	Wasco	LD 57–35	125 Branner
[1]Root, Louis	New York, N.Y.	LD 90+65	531 Encina-*66*
Ropes, Richard Walter	Woodlake	LD 146+11	19 Toyon
Rosasco, John Loring	Healdsburg	Zoöl. 52·110+59	214 Toyon
[23]Roscoe, John Philip	Upper Mattole	Math. 109+149	125 Branner
[5]Rose, Alice Madeline	Newman	Hist. 18·114+217	149 Roble
[12]Rose, Charles H.	Aberdeen, Wash.	LD 25–24	450 Encina-*1202*
Rose, Ralph Stanley	Newman	LD 97+74	103 Sequoia
[23]Rose, Robert Lee, Jr.	San Francisco	LD 22–15	306 Encina-*1107*
[4]Rose, Yancey Lamar B.S., New Mexico State Teachers College, 1927	Silver City, N.M.	Soc.S. gr.	335 Cooley-p
[4]Rosel, Mae Taylor	Florin	LD‡	175 Roble
[1]deRosier, Delmer H.	Navarro	LD	352 Encina-*2615*
[5]Ross, Alexander Treloar	Honolulu, T.H.	Bact. 135–2	235 Toyon-*1855*
[23]Ross, Betty Marie	San Mateo	LD 25·14+0	162 Roble
[5]Ross, Chester Erwin A.B., Stanford, 1926	Gilroy	Law gr.	554 Encina-*2668*
Ross, Dudley Tyng A.B., Stanford, 1927	Palo Alto	Soc.S.-Jn.45·144+145	1246 Emrs-p
Ross, Howard Delos	San Jose	M.E.131+129	1162 Sherman,SJ-sj
[1]Ross, John William	Corte Madera	Pre-Med.103+21	PhiKap.Sg.-*1306*
[4]Ross, Leola	Palo Alto	LD‡	561 Middlefield-p
Rossarini, Catherin Mary	Truckee	LD 42+50	211 Roble-*2193*
[5]Roth, Fred J.	Sacramento	Chem. 96·67+62	208 Sequoia
Rothert, Harlow Phelps	Los Angeles	LD 46+30	234 Encina-*1474*
[5]Rothrock, Frank Wallace	Spokane,Wash.	Econ. 46·123+21	Sigma Nu-*1385*
Rowe, Melvin John, Jr.	Norwalk	LD 48+46	309 Encina-*864*
[1]Rowell, Cora Winifred A.B., California, 1923	Berkeley	Hist. gr.	Cardinal Hotel-p

Rowland, Homer Harold — Santa Monica — Zoöl. 181+97 — 210 Branner-*949*
A.B., Stanford, 1927
Rowland, Robert Russell — Santa Monica — Zoöl. 192+106 — 210 Branner-*949*
A.B., Stanford, 1927
[5]Rowland, Wilbur Hunt — Orland — LD 106+80 — 129 Emerson-p
Rowles, Edward B. — Idaho Falls, Idaho — Econ. 180+48 — Delta Chi-*1304*
A.B., Stanford, 1927
Rowles, Fillmore — Mountain View — Educ. gr. — 904 Railrd.Ave.,MV-mv
A.B., Stanford, 1926
Rubin, Nelson — Hollywood — LD 44–4 — 46 Encina-*2653*
[4]Ruby, Charles Leroy — Carthage Ind. — Educ. gr. — 627 Waverley-p
A.B., Central Normal School, 1925
Ruch, Floyd Leon — Eugene, Ore. — Psych. gr. — 665 Hanover-*2366*
B.S., Oregon, 1925; A.M., Iowa, 1926
Ruddy, Lorenz Weir — Los Angeles — Med. gr. — 2085 Sacramento,SF-sf
A.B., Stanford, 1925
[5]Rudé, Jack — San Francisco — Econ. 89+31 — 207 Branner-*1652*
Ruling, Ferdinand Charles — Atherton — LD 92+19 — Menlo Park-Bx 280,mp
[4]Rulofson, Carol C. — San Francisco — Pol.S. gr. — 52 W. Clay Park,SF-sf
A.B., Vassar, 1926
[5]Rulon, Philip Justin — Palo Alto — Psych. gr. — 535 Fulton-p
A.B., Stanford, 1926
[5]Rumwell, Arnold — San Francisco — Hist. 149+47 — Alpha Sig. Phi-*1357*
Rumwell, Reginald — San Francisco — LD 69+4 — Alpha Sigma Phi-*1357*
[1]Rupe, Luther Muir — Willits — LD 53–20 — 111 Toyon
Ruppé, Donald E. — Los Angeles — Law 134+36 — 209 Sequoia-*968*
Russ, Fred Mills — San Francisco — LD 65+8 — Chi Psi-*1648*
[5]Russell, Anne Johanna — Calgary, Can. — Fr. 160+241 — 535 Hawthorne-*2556*
Russell, David Augustus — Los Angeles — Econ. 103·44–2 — Phi Gam.Del.-*1324*
[23]Russell, Eugene S. — Auburn — Econ. 127+57 — 204 Toyon-*2287*
Russell, Rebecca Alice — Los Angeles — LD 13·58–7 — 1225 Byron-p
Russell, Wilbur David — LaVerne — Educ. 90·90+36 — 1a Alvarado-*2541*
A.B., Stanford, 1927
[23]Russell, Wilfred William — Auburn — LD 27+1 — 117 Encina-*1257*
[23]Russell, William Francis — Highland — Psych.‡30+35 — Ramona Hotel-p
[1]Rust, D. Jordan — Kanab, Utah — Econ. 84·68+16 — 554 Encina-*902*
[1]Rust, Fred Earnest — Los Angeles — LD 98+16 — 421 Kipling-p
Ruth, Harold M. — San Francisco — Med. gr. — 1215 Jackson, SF-sf
A.B., Southern California, 1924
Ryan, Allen Lewis — Cincinnati, O. — Educ. 21·130+51 — 324 Sequoia-*2732*
Ryckman, Alice Emelie — Los Angeles — Pol.S. gr. — Madroño-*2758*
A.B., California, Southern Branch, 1926; A.M., Stanford, 1927
[5]Rytand, David A. — San Francisco — LD 78+86 — 475 Forest-*1006*
[4]Sackett, Eban John — Redlands — LD sp. — 225 Toyon
Sadler, Ruby Josephine — Palo Alto — Soc.S.-Jn. 37·117+82 — 332 Forest-p
[5]Safier, Fred J. — New York, N.Y. — LD 50+65 — 951 Bryant-p
Sagal, Leo Aaron — Los Angeles — Econ. gr. — 206 Branner-*1173*
A.B., Stanford, 1927
Saier, Milton Herman — Fresno — Med. gr. — 2323 Sacramento, SF-sf
A.B., Stanford, 1924
Salandra, Dominic — Portland, Ore. — Hist. gr. — 727 Addison-*2262*
A.B., Reed, 1923; A.M., Stanford, 1927
Salisian, Samuel Edward — Pasadena — Econ.‡99+3 — 140 Branner-*2395*
[5]Salsman, Byrl Richard — Needles — Law 131+59 — Delta Chi-*1304*
Sampson, Kenneth Vieth — San Leandro — LD 38–6 — 431 Encina-*1167*
[4]Samuels, David Lilienthal — Menlo Park — LD — Menlo Park-RFD 106, mp

[1]Sanborn, Carrol M. Upper Lake LD 49+11 122 Toyon-*605*
[1]Sanborn, Elwell A. Upper Lake LD 23–21 303 Sequoia
[4]Sanders, Frank M. San Jose Educ.‡ 109 N. Buena Vista, SJ-sj
[12]Sanders, John Forrest Saratoga M.E. 183+62 Saratoga-s
A.B., Stanford, 1927
[12]Sanders, Kenneth C. Redwood City LD 16–32 335 Washington, RC-rc
Sanders, Rollin R. Winters Pre-Cl. 98·93+37 534 Encina
A.B., Stanford, 1927
Sanders, William Los Angeles Hist. 148+162 PhiKappa Sig.-*1306*
§[12]Sandwick, Richard F. Highland Park, Ill. Bact. 142+43 Chi Psi-*1648*
Sanford, Dudley Phelps San Jose Phyl. 189+3 443 Kipling-*1078*
Sanford, Frances Geraldine Burlingame LD 92+134 *237* Roble-*1523*
[5]Sanguinetti, Melvin Stephen Lodi S.Bus. gr. 320 Sequoia-*1159*
A.B., Stanford, 1925
[1]Sano, John Hiroshi San Francisco LD 108–13 Japanese Club-*598*
[12]Sapero, James Joseph Palo Alto Zoöl. 129+102 Phi Kappa Psi-*1333*
[12]Sapero, Kalmen Yokum Palo Alto Law gr. 401 Lytton-*1855*
A.B., Stanford, 1923, J.D., 1927
[5]Saroyan, Suren M. Fresno Law gr. Stanford and Ross-*1040*
A.B., Stanford, 1927
[12]Satoh, Yoshio Palo Alto E.E. gr. 559 Cowper-p
B.Engr., Tokyo Imperial University, 1922; A.M., Stanford, 1927
[4]Sattgast, Charles Richard Greeley, Colo. Educ. gr. Phi Delta Theta-*1334*
B.S., Illinois, 1923; A.M., Stanford, 1926
[14]Sauer, Frederick Charles Reedley Econ. gr. Univ. of Santa Clara-sc
A.B., Stanford, 1926
Sauliere, Frank René San Jose LD 83+*32* 564 Encina-*1855*
Saunders, Gilbert B. Bay City, Mich. Law gr. 513 Encina-*523*
A.B., Stanford, 1927
[4]Saunders, John Henry, Jr. San Francisco LD 140 Encina
[4]Savage, Philip M., Jr. San Francisco LD 26–*22* 1 Lasuen
Sawe, Elizabeth Brainerd Santa Barbara Engl. 24·106+145 167 Roble-*1267*
[1]Sawyer, Frank Orville, Jr. Los Angeles Econ. 9·171+31 Theta Chi-*1383*
A.B., Stanford, 1927
Saxon, Muriel Dorothy Willits S.Educ. gr. GammaPhiBeta-*1337*
A.B., Stanford, 1926
[23]Say, Luther Kenneth Fresno Econ. 21·71–11 254 Mariposa-p
Sayles, Lesda Elizabeth Newark Ed. G.A. gr. Newark-RFD,Bx38,n
A.B., Stanford, 1926, A.M., 1927
Sayre, George Maxwell Ardmore, Okla Engl. 155–11 140 Toyon-*2322*
[4]Scanlon, Leola V. San Mateo Educ. 35+25 115 12th, SM-sm
Scattergood, Elizabeth H. Los Angeles LD 49+53 258 Roble-*588*
[4]Schaafsma, William Thomas Santa Rosa LD *228* Union
[4]Schaefer, Amos E. Coronado Hist. gr. Lagunita Drive-*B*
A.B., Oklahoma, 1923
Schaefers, George F. Eugene, Ore. Econ. 86·79+66 Phi Delta Th.-*1334*
Schall, Myron Reed Palo Alto Econ. 185+64 813 Cowper-p
A.B., Stanford, 1927
Schanck, Francis Raber Portland, Ore. LD 36+2 423 Encina-*622*
[3]Schanck, Isabel Anna Portland, Ore. Soc.S.-Jn.85·105+60 Dl.Gam.-*1366*
A.B., Stanford, 1927
[12]Schaufelberger, Margret Mission Beach Hist. 180+167 Chi Omega-*1386*
A.B., Stanford, 1927
[5]Scherer, Herman Carlyn Long Beach Bot. 170+97 551 Lytton-Box748,p

§ Deceased June, 1927.

Schilder, Arthur Joseph — Santa Paula — LD 75+2 — 23 Salvatierra-*857*

[4]Schillinger, Esther K. — Greeley, Colo. — Soc.S. gr. — 454 Hamilton-p
A.B., Colorado State Teachers College, 1926

[4]Schilpp, Paul Arthur — Stockton — Phil. gr. — 305 Union
A.M., Northwestern, 1922

Schink, Clifford Ernest — Dawson, Y.T. — S.Bus. gr. — 211 Sequoia-*555*
A.B., Stanford, 1926

Schirm, John Stephen — Los Angeles — Geol.92·104+47 — PhiDel.Theta-*1334*
A.B., Stanford, 1927

[4]von Schlegell, Frederick, Jr. — Pasadena — LD sp. — Zeta Psi-*B*

[4]Schlein, Walter Charles — San Jose — Educ. gr. — 390 S. 7th,SJ-sj
A.B., Stanford, 1926

[4]Schleppergrell, Adolphine M. — Woodland — Educ. gr. — Roble
A.B., Montana, 1923

Schmid, Clarence Lincoln — Palo Alto — Econ. 86·42+4 — 235 Emerson-p

Schmidt, David Gordon — Fresno — Pre-Med. 99·49+40 — 19 Salvatierra

[4]Schmidt, Léonie Emma — Redwood City — Educ. gr. — Redwood C-R2,B354,rc
A.B., Oberlin, 1914

[4]Schock, Pearl — Midwest, Wyo. — Ed. G.A. 12+5 — Roble

[124]Schoenheit, Helen Mar — Cupertino — S.Educ. gr. — 5 Lasuen-*2392*
A.B., Stanford, 1926

[13]Schofield, Mary Lusia — Palo Alto — Hist. 120+200 — 751 Channing-p

Schomaker, Theodore Paul — San Francisco — Med. gr. — 501 Broderick,SF-si
A.B., Stanford, 1925

Schoolfield, Harrison H. — Portland, Ore. — LD 47·46+41 — 228 Encina-*706*

[4]Schott, Hermann F. — Palo Alto — Psych. gr. — 212 Fulton-p
B.S., California Institute of Technology, 1926

[4]Schott, Vita K. — Palo Alto — Psych.‡ — 212 Fulton-p

Schottel, Constance — Liége, Belgium — Law gr. — Roble-*2682*
Docteur en Droit, Liége, 1926

[4]Schray, Emma — Fresno — Educ. gr. — Kingscote
A.B., Fresno State Teachers College, 1924

[4]Schraubstadter, Alvena H. — Menlo Park — Educ. gr. — Sacred Heart, MP-mp
A.B., Washington University, 1924

[2]Schreck, Edwin A. — East Las Vegas, N.M. — Educ. gr. — 305 Lytton-p
A.B., Denver, 1916, A.M., 1917; A.M., Columbia, 1923

[4]Schubert, Clarence F. — Russellville, Mo. — Chem. gr. — 559 Cowper-p
A.B., Missouri, 1927

Schuck, Victoria — Los Angeles — LD 44+85 — Chi Omega-*1586*

[5]Schuettauff, Henry W. — Chicago, Ill. — Engl. 85·86+25 — 332 Union-*1854*

[23]Schulte, Antoinette L. — San Francisco — LD 31+8 — 309 Roble-*974*

[5]Schulz, Carl Robert — San Francisco — Law gr. — 308 Union-*2704*
A.B., Stanford, 1926

Schwafel, Jacob T. — San Luis Obispo — LD 47+61 — 21 Encina-*1757*

[4]Schwartz, Irving — Napa — LD — 215 Toyon

Schwartz, Leonard Kelsey — San Francisco — Law 180+79 — 355 Encina-*B*
A.B., Stanford, 1927

[12]Schwarz, Henry William — Denver, Colo. — S.Bus. gr. — 325 Union-*3039*
A.B., Colorado, 1926

Scott, Charles Craven — Twin Falls, Idaho — Hist. 189+225 — 219 Encina-*1326*
A.B., Stanford, 1927

[4]Scott, Dorothea Evelyn — Ogden, Utah — LD‡ — 310 Roble

[4]Scott, Esther Anna — Santa Clara — LD 70·49+59 — 1597 Harrison,SC-sc

Scott, John Madison — Yuba City — LD 92+12 — Phi Sigma Kappa-*538*

[4]Scott, Myra Edna — Manhattan, Kans. — Engl. gr. — 825 Cowper-p
B.S., Kansas State Agricultural, 1921

Scott, Peter Montague — St. Paul, Minn. — Econ. 90·42+14 — 712 Waverley-p

Scott, Robert Weller — S. San Francisco — Econ. 90-47+25 — 222 Fulton-p
[4]Scott, Virginia Katherine — San Francisco — LD‡ — 318 Roble
Scotten, Arthur Fleming — Pasadena — LD 10-93+186 — 115 Branner-*2733*
[5]Scribner, George Harold — Sacramento — Econ. 90-57+12 — 315 Sequoia-*2346*
[23]Scribner, Thornton Seron — Monticello — Min. gr. — 23 Salvatierra
A.B., Stanford, 1927
[3]Scudder, Joseph B. — Trenton, N.J. — Law 180+111 — Kappa Sigma-*1326*
A.B., Stanford, 1927
[4]Scully, Helen Cecilia — Los Angeles — Educ. ‡ — 170 Roble
Seaman, Wareham Clark — Escalon — LD 96+64 — 233 Branner-*1855*
Seares, Robert Stanley — Pasadena — LD 28+18 — 422 Encina-*2108*
Sears, Maynard Joseph — Jamieson, Ore. — Econ. 152+26 — Theta Chi-*1383*
Sears, Robert Richardson — Palo Alto — LD 78+43 — 1120 Parkinson-*1176*
[4]Segel, David — Long Beach — Psych. gr. — 1127 High-p
A.M., Columbia, 1922
[4]Segel, Maurice Ernest — Alliance, Ohio — LD sp. — 26 Lasuen
[4]Segel, Naomi E. Claes — Long Beach — Educ. 122-36+33 — 1127 High-p
[11]Seki, Kyoichiro — Tsukubagun, Japan — Econ.135-60–10 — Japanese Club-*598*
[5]Selig, Philip, Jr. — San Francisco — Law gr. — 324 Union-*1192*
A.B., Stanford, 1926
Sellman, Roland — San Francisco — LD 48-53+3 — Kappa Alpha-*1356*
[1]Sells, Helen Dorothy — Bellingham, Wash. — LD ‡ — 1035 Emerson-p
[4]Semenza, Nevada Burnadette — Reno, Nev. — Engl. gr. — 369 Roble
A.B., Nevada, 1924
[13]Senior, Raymond T. — Salt Lake City,Utah — Law gr. — 310 Sequoia-*1118*
A.B., Stanford, 1925, J.D., 1927
[14]Senn, Frank Robert — Sandusky, Ohio — Econ. 91-17+28 — Sig. Al. Eps.-*1221*
[4]Sessions, Ina Beth — San Antonio, Tex. — Engl. gr. — Roble
A.B., Southwestern, 1922, A.M., 1923; A.M., Vanderbilt, 1924
[5]Sessions, Royal Fred — San Antonio, Tex. — Chem. gr. — 742 Bryant-p
A.B., Southwestern, 1921; M.S., Vanderbilt, 1922
[4]Sether, Victor C. — Medford, Ore. — Econ. gr. — 159 Emerson
A.B., Oregon, 1921
Settle, Ruth Lucille — Sheridan, Wyo. — LD 38–4 — Escondite Cottage
[2]Severance, Otis Chase — Danvers, Mass. — Math. gr. — 206 Union-*1235*
B.S., Dartmouth, 1921
[4]Seward, Raymond S. — Tacoma, Wash. — Phys. gr. — 123 Toyon
B.S., Pomona, 1912; A.M., California, 1921
Sexson, Paul Alexander — Phoenix, Ariz. — LD 79–2 — Kappa Sigma-*1326*
[12]Shah, Aurang — Peshawar, India — Anat. gr. — 250 Cowper
B.S., Washington, 1926
[34]Shahan, Frank L. — Palo Alto — Educ. gr. — 641 Gilman-p
B.S., Arizona, 1924
Shallenberger, Gordon P. — Los Angeles — Law 137+63 — 314 Toyon-*1886*
[1]Shambaugh, Charles Gilbert — Boonville — Educ. gr. — 815 Stanford
A.B., Earlham, 1917
[4]Shambaugh, Olive Lucille — Boonville — Educ. gr. — 815 Stanford
A.B., Oregon, 1926
[4]Shangle, C. Paine — Sedro-Woolley, Wash. — Educ. gr. — 1080 Forest Court-p
A.B., Oregon, 1910; A.M., Wisconsin, 1911
[12]Shannon, Lyle Eldon — Santa Cruz — LD 52–5 — Phi Sigma Kappa-*538*
Shannon, Milam J. — Parlier — Econ. 77-103+1 — 110 Branner-*1468*
A.B., Stanford, 1927
[1]Shantz, Harry S. — Didsbury, Alta. — S.Educ. gr. — 720 Cowper-p
A.B., Wayne (Nebr.) State Normal School, 1925
Shapovalov, Leo — Riverside — LD 86+110 — 109 Sequoia-*734*

[4]Sharer, Robert E. A.B., Albion, 1922	Coldwater, Mich.	Educ. gr.	804 Bryant-p
Sharp, James Graham, Jr. A.B., Stanford, 1926, Engineer, 1927	Palo Alto	E.E. gr.	237 Coleridge-p
Sharp, John Chester A.B., Stanford, 1926	Los Angeles	Med. gr.	2402 California, SF-sf
[4]Sharp, Luther A.B., Southern California, 1917	Stockton	Econ. gr.	223 Union
Sharp, Robert Chapin	Alhambra	LD 45+42	329 Encina-*1615*
Shattuck, John George	Palo Alto	C.E. 134+52	146 Cowper-p
Shattuck, Spenser Sidney A.B., Stanford, 1927	Bisbee, Ariz.	Econ. 180+173	112 Churchill-p
[23]Shattuck, William Lutz	San Francisco	LD 30+5	303 Encina-*2472*
Shaull, Ethel Mae A.B., Stanford, 1924	Los Angeles	Med. gr.	2308 Buchanan, SF-sf
Shaw, Edward S.	Palo Alto	LD 97+162	33 Encina Av.-Bx335,p
Shaw, Louis deHaven	Boise, Idaho	LD 86+22	217 Branner-*1876*
[5]Shaw, Philip M.	Palo Alto	LD 83+7	Theta Xi-*1355*
Shedd, Louise Dawes	San Jose	Zoöl. 159+271	216 Roble-*681*
Sheffer, Mary Dora A.B., Stanford, 1927	Orange	Chem. 90·92+136	166 Roble-*897*
[4]Sheffield, Carlton A. A.B., Stanford, 1923	Long Beach	Engl. gr.	214 Toyon
[5]Shepard, Allen	Denver, Colo.	Econ. 8·116+137	224 Toyon-*1614*
Shepard, Carolyn	Visalia	Engl. 141+90	377 Roble-*1421*
[3]Shepard, O. Cutler A.B., Stanford, 1925	Palo Alto	Min. gr.	771 Hamilton-p
[4]Shepherd, Cecilia Theresa	San Jose	Educ. ‡	Notre Dame, RC-rc
[4]Shepherd, David A.B., Utah, 1918; A.M., Stanford, 1924	Logan, Utah	Zoöl. gr.	University Park
Shepherd, Nellie Louise A.B., Stanford, 1927	Yorba Linda	Hist. 201+277	300 Roble-*726*
Sherman, Fred Moody	San Francisco	LD 35–19	346 Encina
[2]Sherrard, Jack Caddy	Los Angeles	LD 67–25	421 Kipling-p
[1]Shih, Huang A.B., Stanford, 1926	Yunnan, China	Hist. gr.	Chinese Club-*2524*
[12]Shih, Tso	Chekiang, China	Econ. 96·42–8	Chinese Club-*1184*
[12]Shima, Togo A.B., Stanford, 1927	Berkeley	Econ. 180+147	110 Toyon-*1412*
[4]Shimp, Harriette E. A.B., Iowa State Teachers College, 1925	Hull, Iowa	Educ. gr.	166 Roble
Shinn, Joseph Clark, Jr.	Niles	Econ. 104·63+7	16 Branner
Shipkey, Ted Edwin A.B., Stanford, 1927	Fullerton	Econ. 183+58	Kappa Sigma-*1326*
[4]Shirey, Raymond William A.B., Nebraska, 1914	Long Beach	Educ. gr.	224 Union
[34]Shirrell, Elmer Lacey B.L., California, 1914, A.M., 1925	Stanford Park	Pol.S. gr.	University Park
Shively, Betty Theresa	Portland, Ore.	LD 58–10	Chi Omega-*1386*
[5]Shlaudeman, Frank H.	San Dimas	Econ. 163+10	Delta Kappa Eps.-*O*
Shoemaker, Rosemary	Los Angeles	LD 50+40	335 Roble-*1563*
Shoemaker, Victor Leroy	Santa Monica	S.Engr. 102·54+9	448 Encina-*665*
[12]Shoenhair, Theodore Kinne	Los Angeles	Law 150–2	Delta Kappa Eps.-*OO*
[124]Sholes, Arlan Edward	Palo Alto	Econ. 6·128+5	424 Seneca
[5]Short, Walter John A.B., Hawaii, 1926	Honolulu, T.H.	Law gr.	504 Encina-*566*

Shortridge, John G.	Menlo Park	LD 80–1	Menlo Park-mp
Shoup, Frances Elizabeth	Los Altos	LD 45+25	250 Roble-*2135*
[23]Shoup, Jack Wilson	Los Altos	Law 123+82	Encina-*1334*
Shoup, Louise	Los Altos	LD 80+80	Kappa Kap. Gam.-*1354*
[4]Show, Grace Cuthbertson A.B., Stanford, 1922	Coalinga	Educ. gr.	353 Melville-p
Shreve, Charles Henry	Long Beach	LD 44–4	141 Encina-*2195*
[2]Shudo, Takeyoshi	Matsuyama, Japan	LD 67·0–15	Japanese Club-*598*
Shumaker, Phil William A.B., Stanford, 1926	Los Angeles	Med. gr.	2201 California, SF-sf
Shupp, Kenneth Reed	Merion, Pa.	LD 43–1	201 Encina-*557*
Sibbett, Edward H.	Provo, Utah	LD 91+95	Zeta Psi-*B*
[12]Sibbett, George Ewing A.B., Stanford, 1927	Provo, Utah	Law 180+146	Zeta Psi-*B*
Siegfried, B. Nanelia	Palo Alto	LD 60+73	310 Waverley-p
Siegfried, Victor	Palo Alto	LD 58+42	310 Waverley-p
[23]Siemon James Elerick	Hinkley	Hist. 133+47	443 Kipling-p
[12]Siemons, John	Grand Rapids, Mich.	Econ. 107–3	304 Union-*1782*
[23]Sievers, Clement Henry B.S., Idaho, 1926	Moscow, Idaho	Educ. gr.	551 Lytton-p
Sievers, Ruth Esther A.B., Stanford, 1927	Everett, Wash.	Span. 189+262	615 University-*1327*
Silliman, Julian Winthrop	Palo Alto	LD 64+22	32 Encina-p
Silliman, Ruth Elizabeth	Palo Alto	LD 91+106	1160 Bryant-p
Silliphant, William Merrill A.B., Southern California, 1926	Sherman	Med. gr.	627 Homer-p
[4]Silva, Elva Claire	Santa Clara	LD ‡	1811 Main, SC-sc
Silverglade, Alexander	Trenton, N.J.	LD 50+53	Menlo Park-*1031*
[5]Silverman, Henry Edward	Los Angeles	Hist. 120+14	1001 Ramona-p
Silverman, Milton Morris	Piedmont	LD 45+36	226 Encina-*2333*
[12]Silvermaster, Nathan Gregory A.B., Washington, 1920	Berkeley	Phil. gr.	2439 Dwight Way, B-b
Silvestri, Joseph Paul	San Francisco	LD 88+21	320 Embarcadero-*2055*
Simatovich, Anthony Patrick	Hayward	LD 41–6	345 Encina-*1501*
Simkins, William	Manhattan Beach	LD 45+17	429 Encina-*1681*
[23]Simmons, Burt O.	Los Angeles	LD 60–29	Delta Upsilon-*1353*
Simon, Benjamin A.B., Stanford, 1925, A.M., 1927	Washington, D.C.	Chem. gr.	108 Sequoia-*2324*
[5]Simon, Charles J. A.B., Stanford, 1926	Cedar Rapids, Iowa	Law gr.	309 Union-*1852*
Simon, Edwin J.	San Francisco	LD 93+65	1004 Emerson-*1236*
[234]Simon, James Vernon A.B., Peru (Nebr.) State Normal, 1926	Omaha. Nebr.	Bot. gr.	538 Cowper-p
Simon, William John	El Paso, Texas	LD 44+46	444 Encina-*1042*
[5]Simpson, Roger G.	Berkeley	LD 66–4	Sigma Chi-*628*
Sims, Robert Floyd	Long Beach	LD 89+51	Delta Kap. Epsilon-*OO*
[12]Sims, Thomas L.	Fresno	Econ. 90·51–26	206 Sequoia-*1090*
[12]Singer, John H.	Lincoln	LD 63–11	Sigma Nu-*1385*
Singer, Louis A.B., Stanford, 1927	New York, N.Y.	Span. 180+97	649 Lytton-p
[12]Sisk, Raymond Raphael	San Francisco	LD 11–21	445 Hamilton-p
Skeen, Edwin J. A.B., Utah, 1926	Salt Lake City, Utah	Law gr.	211 Union
Skelton, Harris R.	Red Bluff	LD 93+48	506 Encina-*885*
Skilling, Hugh Hildreth A.B., Stanford, 1926, Engineer, 1927	San Diego	E.E. gr.	203 Union-*1723*

Skilling, Leonard Eugene — San Francisco — Med. gr. — 2201 California, SF-sf
A.B., Stanford, 1926
Skinner, Clinton Ross — Portland, Ore. — LD 71+4 — 360 Bryant-p
Skow, Royce Kenneth — San Jose — LD 82+64 — 119 Toyon
[5]Slaff, George — Passaic, N.J. — Law gr. — 11 Salvatierra-*1184*
A.B., Harvard, 1926
[5]Slaff, Samuel — Passaic, N.J. — Law gr. — 11 Salvatierra-*1184*
A.B., Stanford, 1925
Slater, Donald Coulter — Palo Alto — Law 3·130+16 — 558 Tennyson-p
[4]Slater, Esther Grace — Ray, Ariz. — Engl. gr. — 47 N. 11th, SJ-sj
A.B., DePauw, 1912
[4]Slater, Harold C. — Roseville — Educ. gr. — Mt. View-mv
B.S., Nebraska, 1912
[4]Slater, Kenneth Norton — Mountain View — Educ. gr. — 316 Loreto, MV-mv
A.B., Stanford, 1926
[4]Slater, Mae Anne — Witter Springs — LD — 47 N. 11th, SJ-sj
Slater, V. Giddings — Culver City — Pre-Cl. 94·93+26 — 470 Hamilton-p
A.B., Stanford, 1927
[234]Slavens, Jean — Phoenix, Ariz. — Educ. gr. — 4 Manzanita
A.B., Arizona, 1925
Sleeper, Henry A. — Sacramento — Econ. 90·103+35 — 305 Lytton-*972*
A.B., Stanford, 1927
Sloss, Frank Hecht — San Francisco — LD 82+148 — 22 Kingscote-*2764*
[1]Small, F. McCauley — Hollywood — LD 44+44 — Theta Xi-*1355*
[1]Smalling, Charles Otto — Templeton — LD 49–19 — Phi Delta Theta-*1334*
Smedberg, George Chaffin — San Francisco — LD 43–16 — 201 Encina-*2178*
[4]Smith, Aubrey Garrison — Oakland — Educ. gr. — 257 Toyon
A.B., Oregon, 1925
Smith, Charles Blakslee — Los Angeles — LD 45+35 — 307 Encina-*2241*
Smith, Charles Edward — Sacramento — Pre-Cl. 90·103+176 — 305 Lytton-p
A.B., Stanford, 1927
Smith, Clair Curtis — Palo Alto — Law 168+16 — Phi Sigma Kappa-*538*
Smith, Clarence Slicer — Oakland — LD 46+14 — 308 Encina-*1120*
Smith, Clyde James, Jr. — Los Angeles — S.Engr. 129+41 — Theta Xi-*1355*
[23]Smith, Colin Hubbard — Los Angeles — Geol. 49·68·2 — Alpha Delta Phi-*J*
Smith, Dan Thropp — Stanford Univ. — Hist. 157+252 — 219 Toyon-*1195*
[1]Smith, Dana K. — Palo Alto — LD 16–15 — Cardinal Hotel-p
[12]Smith, Delbert L. — Covina — LD 15+5 — 416 Encina-*2711*
[12]Smith, Dixon Hinshaw — Sacramento — S.Engr. 112–15 — Delta Tau Del.-*827*
Smith, Donald Franklin — Los Angeles — LD 44+49 — 316 Encina-*2503*
Smith, Edward Anderson — Palo Alto — Engl. 175+76 — 330 Palo Alto Ave.-p
Smith, Edward D. — Salt Lake City, Utah — C.E. 97·85+19 — 514 Encina-*1101*
A.B., Stanford, 1927
Smith, Edwin Harvey — San Francisco — LD 101+154 — Theta Xi-*1355*
[4]Smith, Edwin Oscar — Modesto — Educ. gr. — 230 Toyon
A.B., McKendree, 1908, A.M., 1909; Ph.D., Stanford, 1926
[3]Smith, Freid Lynn — Marysville — Pre-Med. 96+22 — Toyon
Smith, George Edson P., Jr. — Tucson, Ariz. — Chem. gr. — 230 Kellogg-p
B.S., Arizona, 1926
[12]Smith, George Keil — Vallejo — Law gr. — 525 Encina-*1855*
A.B., Stanford, 1925, J.D., 1927
Smith, George Shaw — St. Louis, Mo. — LD 42–6 — 244 Encina-*2292*
Smith, Gilbert Wheeler — Hollywood — LD 43·43–12 — 137 Encina-*1015*
[4]Smith, Hallett D. — Boulder, Colo. — Engl. ‡ — 128 Encina
Smith, Hebard Payson — Berkeley — LD 59+25 — 102 Sequoia-*1001*
Smith, Herbert Arthur — Oakland — Law 6·124+116 — 238 Branner

Smith, Howard Carlisle A.B., Stanford, 1926, Engineer, 1927	Palo Alto	E.E. gr.	1335 Cowper-p
Smith, Irving Levere	Santa Cruz	Econ. 169+127	242 Toyon-*83*
Smith, Jack Carpenter	Tulsa, Okla.	LD 48 44	200 Encina-*929*
[1]Smith, James Irving	San Francisco	LD 9–18	3705 25th St., SF-sf
[5]Smith, Jerome Frost	San Diego	Econ. 79–6	1004 Emerson-p
[12]Smith, Joseph Odell	Los Angeles	Law 5·122+40	Delta Chi-*1304*
Smith, Lewis Nelson	Palo Alto	LD 43–8	403 Encina-*1200*
[124]Smith, Lloyd Melvin	Los Angeles	LD 83+92	341 Emerson-*1458*
[4]Smith, Lois Anne A.B., Baylor, 1926	Fort Worth, Texas	Educ. gr.	207 Hawthorne-p
Smith, Phil B.	Oakland	LD 37+4	43 Encina-*2481*
Smith, Philip Templeton	Santa Monica	LD 38–1	205 Encina-*1647*
[1]Smith, Robert Layton	San Jose	LD 46–15	30 E. Julian, SJ
Smith, Roy Murray	Big Pine	LD 12·80+30	515 University-p
*Smith, Seymour Purdon A.B., Stanford, 1927	Pacific Grove	Zoöl. gr.	Pacific Grove-*2818*
[5]Smith, Stacy H., Jr. A.B., Stanford, 1927	Pasadena	Law gr.	11 Toyon-*1021*
Smith, Ward Conwell	St. Louis, Mo.	LD 50+51	235 Encina-*1922*
Smith, Wayne Mingus A.B., Stanford, 1927	Pasadena	Geol. 206+34	Zeta Psi-*B*
[4]Smith, W. Corell A.B., Stanford, 1926	Acampo	Chem. gr.	325 Union
Smith, William Melvyn	Alhambra	LD 86+29	139 Toyon-*1814*
Smithee, Clayton B.	Las Cruces, N.M.	LD 36–14	915 Channing
Smyth, Howard McGaw A.B., Reed, 1923	Portland, Ore.	Hist. gr.	519 Encina-*1468*
[12]Smythe, Marcus Loomis	Cleveland, Ohio	LD 9·80–25	Delta Kappa Eps.-*O*
Snedden, Pauline K.	Yonkers, N.Y.	LD 42+12	350 Roble-*1517*
Sneider, Lucile Grace A.B., Stanford, 1927	San Mateo	Span. 68·112+82	236 Roble-*1601*
Snell, J. Hall A.B., Stanford, 1925, J.D., 1927	Marysville	Law gr.	310 Union-*982*
Snodgrass, Reginald Gordon	Los Angeles	LD 47+50	426 Encina-*2187*
Snook, Edward Andrew	Hood	Law 159+60	Sigma Chi-*628*
[4]Snow, Byron Reginald A.B., Stanford, 1926	Palo Alto	Educ. gr.	1159 Fulton-p
Snow, Edwin Arthur	Boise, Idaho	LD 44+34	128 Encina-*1191*
Snow, Jack Wynford A.B., Stanford, 1927	Santa Ana	Min. 185+103	210 Toyon-*1764*
[4]Snyder, Edward Eugene	Burlingame	S.Engr. ‡	1422 Capuchino, B-b
[21]Snyder, Elsie	Salt Lake City, Utah	LD 47·31+6	214 Roble-*1016*
[14]Snyder, Evelyn H.	Stanford Univ.	LD 68+26	8 Alvarado-*2030*
Snyder, Jeannette	San Jose	LD 47+45	209 Roble-*2742*
Snyder, John Calvert	Jackson	LD 88+118	Delta Tau Delta
[5]Snyder, Llewellyn Reagan	San Jose	Econ. 90·86+13	208 Sequoia-*2206*
Snyder, Loilor A.B., Stanford, 1927	San Diego	Chem. 90·94+114	215 Sequoia-*1312*
Snyder, Louise May A.B., Arizona, 1924	Hollywood	Engl. gr.	Madroño-*1497*
[4]Snyder, Lucile Holbrook A.B., Stanford, 1925	San Jose	Educ. gr.	Madroño
Snyder, Rixford Kinney	San Jose	LD 46+74	1023 Bird, San Jose-sj
[1]Snyder, Robert Jerome	Palo Alto	Econ. 90·67–18	635 Lowell-p

Snyder, W. Gilman	Jackson	S.Engr. 121+3	106 Sequoia-*2141*
[5]Soares, Edward J.	San Francisco	Geol. 77+17	475 Forest-*967*
[28]Sobey, Katharine Douglas	Paso Robles	LD 30–14	152 Roble-*2827*
Sobieski, John Gilhousen	Los Angeles	Law 134+152	Sig.Alpha Eps.-*1305*
[3]Sohler, Frank E., Jr.	Healdsburg	LD 86–35	138 Branner-*677*
Sohinger, Alice	Los Angeles	Engl.-P.Sp.134+46	Al.Om.Pi-*1367*
Solomon, John William	Los Angeles	LD 46+37	318 Encina-*2148*
[12]Soltan, Malcolm Brighton	San Francisco	LD 37–13	316 Sequoia
Somers, Melvin R.	Hollywood	Med. gr.	2436 Clay, SF-sf
A.B., Stanford, 1923			
Somerville, Marshall	Burley, Idaho	Engl. 130+13	246 Toyon-*2391*
Sorensen, Lester Garfield	Hilo, T.H.	LD 49+24	40 Encina-*2466*
Sparks, Benton Knight	Monterey	LD 52–7	217 Encina-*909*
Sparling, William Alex	Hollister	LD 86+34	Alpha Delta Phi-*1984*
Spaulding, Jean Benedict	San Bernardino	Chem. 145+144	219 Roble-*2363*
[1]Spaulding, Neal H.	San Bernardino	LD	353 Encina
[4]Spearman, Ethel	Sanger	Math. gr.	718 Bryant-p
A.B., Drury, 1921			
Speegle, Paul Lanz	Oakland	LD 47+34	308 Encina-*1124*
[12]Speer, John Stockton	Pasadena	LD 102+8	Phi Kappa Psi-*1333*
Speers, Frederic Warden	Denver, Colo.	Hist. 139+93	Phi Gam. Delta-*1324*
Speers, Robert Dean	Los Altos	LD 56+31	424 Encina-*1824*
Spellacy, Edmund F.	Los Angeles	Pol.S. 180+46	Theta Xi-*1355*
A.B., Stanford, 1927			
Spencer, Emerson Lane	Modesto	LD 109+21	Delta Tau Delta-*1363*
[4]Spencer, Peter Lincoln	Mayfield	Educ. gr.	1180 California, M
B.S., Oregon, 1922			
[1]Sperry, Willard C.	Sacramento	LD 66-21–18	350 Encina-*1901*
[4]Spiess, Henry Richard	Yreka	Educ. gr.	356 Kipling-p
A.B., Willamette, 1921			
[4]Spillers, William H.	Albuquerque, N.M.	Educ. gr.	250 Toyon
A.B., New Mexico, 1926			
Spinks, Alfred Bates	Los Altos	LD 66+44	Los Altos-la
Spinks, Charles Nelson	Los Altos	LD 91+56	Los Altos-Box 237, la
[13]Spirito, Olga	Pasadena	Span. gr.	Madroño-*1783*
A.B., California, Southern Branch, 1926; A.M., Stanford, 1927			
[1][4]Spiva, Walter Yeates	Louisville, Miss.	Law gr.	835 Middlefield-p
A.B., Millsaps, 1925			
Spradling, LeRay	Palo Alto	Econ. 184+146	1831 Waverley-p
A.B., Stanford, 1927			
[4]Spradling, Montre O.	Greenville, Texas	Educ. gr.	207 Hawthorne-p
A.B., Baylor, 1926			
[2]Spradling, Wallace Haynes	Palo Alto	LD 93+1	1831 Waverley-p
[34]Sprague, Charles Myron	Palo Alto	S.Biol. gr.	332 Forest-*3006*
A.B., Bowdoin, 1922			
[1]Spring, Willard Carlton	Hollywood	LD 36–5	421 Kipling-*1364*
Springer, Albert M.	Piedmont	S.Bus. gr.	11 Salvatierra-*2278*
B.S., California, 1924			
Springer, Jack Lowell	Upland	Soc.S.-Jn.47-92+94	Delta Chi-*1304*
Springer, James Milford	Los Angeles	LD 45+19	318 Encina-*2152*
Springer, John Young	Palo Alto	Econ. gr.	305 Lytton-p
A.B., Stanford, 1927			
[5]Springer, Norman Arthur	Upland	Econ. 1-120+6	Serra-*1304*
Squires, Ida Belle	San Diego	Psych. gr.	4 Alvarado-*1114*
A.B., Stanford, 1927			

Stafford, Claude C. San Francisco Med. gr. 2385 California, SF-sf
A.B., Stanford, 1924
Stafford, Una Twin Falls, Idaho Fr. 182+146 Sigma Kappa-*1327*
A.B., Stanford, 1927
Stall, Elizabeth E. D. Stanford Univ. S.Biol. 140+20 200 Roble-*1255*
[5]Stanford, Helen Winslow Piedmont Engl. 126+93 Kap.Kap.Gam.-*1354*
Stanford, Leland Little Rock, Ark. LD 36+7 348 Encina-*1892*
[13]Stanley, Ashton Alberger Del Monte LD 70–10 Delta Kappa Eps.-*OO*
[1]Stanley, Max Richard Santa Monica LD 7–16 428 Encina-*1651*
[12]Stanton, John E. Delavan, Wis. Hist. 103·25–8 Phi Kap. Psi-*1333*
Stapp, Frederick Pearce Los Angeles Chem. 97·91+127 Al.Kap.Lam.-*658*
A.B., Stanford, 1927
[4]Starbird, George Albert Soledad LD 111 Toyon-*1334*
Starks, Dorothy Johanna Palo Alto Med. gr. 1440 Clay, SF-sf
A.B., Stanford, 1924
Starling, Kenyon Law Fargo, N.D. Econ. 98·83+57 207 Union-*962*
A.B., Stanford, 1927
Starr, Alva Guy Waldport, Ore. Educ. gr. 700 Amherst-*2114*
A.B., Washington, 1922; A.M., Stanford, 1927
Staten, George Cowden El Paso, Texas Econ. 72·49–15 Sigma Alpha Eps.
[12]Staub, John Garfield, Jr. Los Angeles Pre-Med. 135+83 Sigma Chi-*628*
[13]Stearns, Joseph Edward Palo Alto LD 74+12 781 Channing-p
Stebbins, George Arthur Lansing, Mich. LD 86–3 249 Branner-*643*
[23]Stebbins, Margaret Oakland Econ. 19·162+71 277 Roble-*1976*
A.B., Stanford, 1927
[12]Stedman, James Hunt Palo Alto M.E. 44·137+14 1818 Bryant-p
A.B., Stanford, 1927
Stedman, Morgan Colchester, Conn. Ed.G.A. 166+12 633 Kellogg-p
Steele, Orlo Patton Yreka LD 24–21 404 Encina-*2485*
[4]Steidley, Hubert A. San Rafael Educ. gr. 866 2d, Mayfield-p
A.B., Colorado State Teachers College, 1923
Steil, Melville Nenana, Alaska Chem. gr. 204 Sequoia-*1442*
A.B., Stanford, 1926, A.M., 1927
[4]Stein, Charles Santa Rosa LD 235 Embarcadero
[12]Stein, Robert Oliver San Gabriel LD 83·10–5 333 Lincoln-p
Stein, William C. Los Angeles Econ. 91·49+22 659 Middlefield-p
Steinbeck, Stanford Eugene Hollister LD 7·46+29 Santa Teresa-*1422*
Steinweden, John Benjamin Lindsay Zoöl. 188+226 241 Branner-*1249*
A.B., Stanford, 1927
Stephens, Bruce Miller Alameda Pre-Clin.188+163 Phi Kp.Sg.-*1306*
A.B., Stanford, 1927
Stephens, John Stewart Los Angeles Med. gr. 2300 Webster, SF-sf
A.B., Stanford, 1925
Stephens, Moye Wicks, Jr. Hollywood Law 123+91 Alpha Delta Phi-*J*
Stephens, Robert Lee Portland, Ore. LD 89+18 333 Waverley
Stephenson, John DeC. Great Falls, Mont. LD 90+166 318 Lytton-*1241*
Stephenson, Robert C. Centralia, Wash. LD 41–18 237 Encina-*1238*
[4]Stern, Anna Maud Carson City, Nev. Span. gr. Roble
A.B., Nevada, 1925
Stevens, Harold Fayette San Jose Chem.135·36–5 1036Alameda,SJ-sj
[4]Stevens, Howard Percy Burlingame Law gr. Zeta Psi-Box 248, p
A.B., Stanford, 1924
Stevens, Kimball Clement San Mateo LD 58·105–8 5 Lasuen-*711*
Stevenson, Archie M. Portland, Ore. Law gr. 523 Encina-*632*
A.B., Stanford, 1926
Stevenson, Carl Bering Cupertino Econ. 180+179 Phi Del.The.-*1334*
A.B., Stanford, 1927

[5]Stevenson, Eugene Maxwell Centerville Law gr. Sigma Alpha Eps.-*1305*
A.B., Stanford, 1926
Stevick, Donald Justin Atherton LD 30–14 236 Encina-*2458*
[5]Stewart, Arbie Stanford Univ. S.Biol. gr. Alpha Phi-*103*
A.B., Stanford, 1927
Stewart, Arthur C. Lamanda Park M.E. 180+166 Beta Theta Pi-*1335*
A.B., Stanford, 1927
Stewart, Edward Nicholson La Jolla LD 49–37 Kappa Sigma-*1326*
Stewart, Francis Samuel Palo Alto Chem. gr. 521 Fulton-Box 757, p
A.B., Stanford, 1923, A.M., 1924
[5]Stewart, Gerald Glenn Los Angeles Econ. 171+7 Delta Tau Delta-*1363*
Stewart, Jean Christyn Rio Vista Engl. 15·131+197 338 Roble-*1457*
Stewart, John Kenneth Los Angeles LD 57+56 429 Encina
Stewart, Richard R. Inglewood LD 42–2 Encina-*1189*
Stikeman, Donald Frank Santa Cruz M.E. 147+7 547 Encina-*2229*
[34]Stillman, Freeman Linn Odebolt, Iowa Econ. 16·157+12 Pacific Grove-pg
§[1]Stilson, William Winter San Francisco LD 34–18 Phi Gamma Delta-*1324*
Stimpson, Edward K. Bellingham, Wash. Chem.101·94+105 Pacific Grove-pg
A.B., Stanford, 1927
[4]Stimson, Claude William Lamanda Park Econ. gr. Phi Delta Theta-*1334*
A.B., Montana, 1920; A.M., California, 1923
[134]Stine, John MacLeod San Francisco LD 73+25 Alpha Delta Phi-*J*
[124]Stitt, Philip Douglas Santa Monica LD 69–8 Alpha Kappa Lamb.-*658*
[5]Stock, Thomas Leland Sacramento Pol.S. gr. 327 Union-*1271*
A.B., Stanford, 1927
Stockbridge, Glenn H. Los Angeles C.E. gr. 539 Encina-*605*
A.B., Stanford, 1926
Stockton, Andrew B. San Francisco Med. gr. 2401 Sacramento, SF-sf
A.B., Stanford, 1923
[4]Stocklmeier, Adele Irmler Cupertino Ed.G.A. gr. Cupertino-c
A.B., Stanford, 1918
[4]Stoker, Ray Cooke Denton, Tex. Engl. gr. Madroño
A.B., Texas, 1922, A.M., 1923
[4]Stoker, Spencer Longshore Denton, Tex. Educ. gr. Madroño
A.B., Texas, 1922, A.M., 1923
[4]Stollar, Paul Stewart Oroville Educ. gr. 1027 Bryant-p
A.B., Willamette, 1923
[34]Stoller, F. Drennon Oakland Econ. 95–11 Delta Chi-*1304*
Stollery, David John, Jr. San Mateo Econ. 151+56 Al. Kap. Lamb.-*658*
[124]Stone, Clarence Robert Los Altos Educ. gr. Los Altos-Box 53, la
B.S., Missouri, 1909, A.B., 1910; A.M., Chicago, 1921
Stone, Frederick Eaton Porterville LD 46+7 328 Encina-*2603*
Stone, Nevdone Pasadena LD 83+19 146 Toyon
Stoner, Robert Meily San Francisco Bact. gr. 541 Encina-*701*
A.B., Stanford, 1927
[4]Stoner, Sanford Leland Sacramento Phys. gr. Cedro Cottage
M.S., Chicago, 1909
[234]Storey, Parnie Hamilton Stanford Univ. S.Biol. 22·94+53 10 Cabrillo-*1606*
[4]Storm, Eugene Max San Diego Educ. 67·80+38 220 Toyon
Story, George Watkins Portland, Ore. LD 41+13 423 Encina-*2651*
[4]Stouffer, Elsie Mae Ridgefield, Wash. Pol.S. gr. Roble
A.B., Grinnell, 1924
Stout, W. Redmon Spokane, Wash. LD 49+54 44 Encina-*873*
Stout, Walter Atwood El Paso, Tex. Econ. 133·47+37 207 Sequoia-*1121*
A.B., Stanford, 1927

§ Deceased, December 11, 1926.

[12]Strain, Gordon — Mayfield — Econ. 13–28 — Mayfield-Box 136, m
[12]Strain, Harold Henry — Mayfield — Chem. gr. — Mayfield-Box 136, m
A.B., Stanford, 1923, A.M., 1924, Ph.D., 1927
[4]Strand, Fridjof A. — Gayville, S.D. — Hist. gr. — 123 Encina
A.B., St. Olaf, 1923
Strang, Gerald V. — San Carlos — Phil. 90·46+44 — San Carlos-sc
[5]Stratton, Charles Cullen — Downey — Law gr. — Alpha Tau Omega-*1384*
A.B., Stanford, 1926
Straup, Danella — Salt Lake City, Utah — Chem. gr. — Madroño-*2208*
A.B., Utah, 1923; A.M., Stanford, 1926
[1]Strauss, Richard Kenneth — Chicago, Ill. — LD 49–20 — Sigma Alpha Eps.-*1306*
[4]Strayer, A. Drayton — Pasadena — Econ. ‡ — 214 Toyon
[23]Street, Webster Finley — Palo Alto — Law gr. — 590 Embarcadero-p
A.B., Stanford, 1926
[234]Strickler, Harry Early — Taft — Pol.S. 69·34+27 — 18 Encina-*2181*
Stromquist, C. Eben — Palo Alto — LD 92+49 — 607 Oregon-p
Strong, Artemas Jacob — Santa Paula — Med. gr. — 2201 California, SF-sf
A.B., Stanford, 1924
Strong, F. Calvert — Long Beach — LD 84–11 — Phi Delta Theta-*1534*
Strong, Kenneth — Long Beach — Chem.9·175+194 — Beta The.Pi-*1977*
A.B., Stanford, 1927
Strong, Marian Christian — Los Angeles — LD 23+14 — 117 Roble-*2317*
[4]Stroup, Cranston LeRoy — Cleveland, Ohio — Phil. 182+7 — 20 Cabrillo-*2583*
[234]Stroup, Margretta E. — Cleveland, Ohio — Engl. 30·115+75 — 20 Cabrillo
[23]Strout, Ruth Louise — Alameda — LD 27+8 — 264 Roble-*1833*
Stroven, Carl — Santa Rosa — Engl. gr. — 524 Encina-*2495*
A.B., Stanford, 1926
Strowger, Allan Wade — Portland, Ore. — Econ. 137+102 — Phi Gam. Del.-*1324*
[12]Struble, George R. — Penryn — Zoöl. 161+126 — 114 Branner-*2361*
[5]Stuart, Arthur Waters — Stanford Univ. — LD 48–3 — 428 Encina-*1063*
Stubblefield, Howard Everett — Palo Alto — S.Engr. 45·80+59 — 532 Homer-p
Sturm, Paul Leo — Hoquiam, Wash. — LD 39+16 — 110 Encina-*503*
[4]Sudbury, Herbert J. — Natchitochev, La. — Educ. gr. — 815 Stanford
A.B., Tennessee, 1919; A.M., George Peabody College for Teachers, 1922
[234]Sudden, Cecilia Frances — San Mateo — LD 42·35–9 — 220 Roble
[12]Sullivan, J. Graham — Merced — LD 74+24 — 211 Toyon-*1787*
Sullivan, Lloyd Lawrence — Los Angeles — Law 7·161+94 — 727 Addison-p
[5]Suma, Masao M. — Japan — Pol.S. gr. — Japanese Club-*598*
A.B., Stanford, 1927
[23]Sumner, William R. — San Jose — Med. gr. — 2203 Buchanan, SF-sf
A.B., Stanford, 1926
[4]Suttey, Amy Lucy — Bisbee, Ariz. — Engl. gr. — Madroño
A.B., Creighton, 1925
Sutton, Harriet Edith — South Pasadena — LD 45+5 — 182 Roble-*2574*
Sutton, Reuel Robbins — San Francisco — Econ. 184+70 — Menlo Park-*B*
A.B., Stanford, 1927
[5]Swain, Robert C. — Stanford Univ. — Chem. 128+144 — Sigma Nu-*1153*
[23]Swain, Stanley Olivier — Sebastopol — Ed. G.A. 83·37+18 — 319 Sequoia
[124]Swan, Fred Haviside — Stanford Univ. — Educ. 132–10 — Kappa Alpha-*1454*
[4]Swan, John Harrison — Taft — Educ. gr. — Palo Alto-p
B.S., Iowa State College, 1915; A.M., State University of Iowa, 1924
[4]Swanson, J. Bernard — Ellensburg, Wash. — Educ. gr. — 11 Lasuen
A.B., State College of Washington, 1922
[13]Swarthout, Rassele E. — Los Angeles — Phil. 104·83+87 — 335 Union
A.B., Stanford, 1927
Sweeney, Robert Sutton — Los Angeles — LD 38·48+37 — 336 Encina-*1576*

Sweigert, Charles Francis San Francisco Pre-Clin.90·114+90 225Toy'n-*1855*
A.B., Stanford, 1927
Swickard, Andrew Emerson San Jose S.Engr. 140+189 230 Branner
[23]Swickard, Harvey Arnold San Jose Econ. 46·104+27 121 Toyon
Swift, Jesse Derbert Piedmont Econ. 40·141+26 Delta Chi-*1304*
A.B., Stanford, 1927
Swim, Hubert Dudley Twin Falls, Idaho S.Bus. gr. 318 Union-*1905*
A.B., Stanford, 1926
Syer, Robert D'Oyly San Jose LD 91+66 Phi Kappa Psi-*1333*
Sylvester, Peter Edward Gilroy LD 33+1 13 Encina-*1161*
[4]Symes, Paul E. Blooming Prairie, Minn. Law gr. 11 Lasuen-*1335*
A.B., Carleton, 1926
[12]Symonds, Nathaniel M. Hinsdale, Ill. Econ. 105·76+1 Kappa Sigma-*1326*
A.B., Stanford, 1927
[5]Sypher, Clarence Seattle, Wash. Econ. 123+34 530 Encina-*2668*
Szylko, Hieronim Stefanovich Poland C.E. 135·45+21 531 Hawthorne-p
A.B., Stanford, 1927
[14]Taam, Wu Canton, China Pol.S. gr. Chinese Club-*1257*
A.B., Stanford, 1925
[4]Taber, Anna Bell Whittier Span. gr. 353 Lytton-p
A.B., Whittier, 1919
Taber, Theron Simeon Fort Worth, Tex. Math.124·76+55 176Brynt-Bx211,p
A.B., Stanford, 1927
[5]Tabler, Edward Cowles San Jose Econ. gr. 572 S. 9th, SJ-sj
A.B., Stanford, 1927
[234]Tackabury, George Wesley Los Angeles Law gr. Delta Upsilon-*1353*
A.B., Stanford, 1926
Taff, Rosa LaRoche Palo Alto LD 52·25–17 226 Roble
[5]Taft, Alan Cowie Palo Alto Zoöl. gr. 253 Fulton-p
A.B., Stanford, 1927
Taft, Orray, Jr. Santa Barbara LD 45–5 400 Encina-*2453*
[14]Taggart, Harold Francis San Mateo Hist. gr. 565 EdgwoodRd.,SM-sm
A.B., Ea lham, 1915; A.M., California, 1917
[1]Tandy, Ray Elmer Alta Loma LD 42+26 Stanford Univ.
[4]Tanner, Arthur E. Logan, Utah Educ. gr. Phi Delta Theta
B.S., Utah Agricultural, 1924; A.M., 1926
[13]Taormina, Anthony Sunnyvale LD 72–21 Sunnyvale-Box 302, s
Tarbell, Adah Marion Sacramento LD 39+1 *272* Roble-*1917*
[4]Tarp, Leslie Nathaniel Gonzales LD Phi Delta Theta-*1334*
[23]Tashiro, Henry T. Kumamoto, Japan LD 66–24 Santa Clara-Bx112A,sc
[24]Taylor, Albert Ray Los Altos S.Engr. 119+26 855 Hamilton-p
Taylor, Byron Madison Gage, Okla. S.Engr. 182+8 304 Toyon-*696*
A.B., Stanford, 1927
[4]Taylor, Ethel A. Corvallis, Ore. Germ. gr. 11 Salvatierra
A.B., Michigan, 1906; A.M., Stanford, 1925
[12]Taylor, Hugh Kansas City, Mo. C.E. 105·15–9 435 Encina-*1811*
[5]Taylor, James Ellery Palo Alto LD 69+21 114 Branner
Taylor, Kenneth Maynard Troy, Pa. Med. gr. 2209 Buchanan, SF-sf
A.B., Oberlin, 1923
Taylor, Mark Lincoln Long Beach LD 46+25 328 Encina-*2198*
Taylor, Marshall Kellogg Burley, Idaho LD 42+41 110 Encina-*1214*
[1]Taylor, Merl Cobb Albuquerque, N.M. Educ. gr. 741 Homer-p
A.B., New Mexico, 1923; A.M., Stanford, 1927
[4]Taylor, Perry Norman Tulare LD‡ 17 Toyon
Taylor, Robert Beverly San Francisco LD 58+42 Delta Upsilon-*1353*
[4]Taylor, Robert W. Florence, Ariz. Educ. gr. 333 Waverley-p
A.B., Denver, 1922

[1]Taylor, Warren Randell — Jackson — LD — 130 Branner
[1]Taylor, Zenas Howland — Stanley, N.D. — Econ. gr. — Ramona Hotel
A.B., Macalester, 1920
[4]Teague, Florence Celia — Marshall, Ind. — Span. gr. — 171 Roble
A.B., DePauw, 1920
[5]Teilhet, Darwin L. — Des Moines, Iowa — Soc.S.-Jn. gr. — 457 Kingsley-p
A.B., Stanford, 1927
Telonicher, Fred — Fresno — Educ. gr. — 1550 Webster-p
A.B., Fresno State Teachers College, 1926
Templeman, Harold M. — Lawrence, Mass. — LD 32–11 — 425 Encina-*2026*
Temps, Fred Ernest — Hayward — Law 128+110 — 139 Branner
[3]Teng, Kwang Yu — Hunan, China — Pol.S. gr. — 168 University-p
A.B., National Southeastern, 1925
[4]Tenney, Arthur Boutelle — Graton — Educ. gr. — 921 Ramona-p
A.B., Fairmont, 1912
[4]Terrell, Horace C. — Newberg, Ore. — Engl. gr. — 6 Lasuen
A.B., Earlham, 1924
Terwilliger, Hal Rowe — Palo Alto — LD 44+58 — 225 Encina
Tesche, Elmer Fred — San Jose — LD 75+71 — Carlos & Northrup, SJ-sj
Thatcher, Ruth Clark — Reno, Nev. — LD 47+45 — 372 Roble-*2672*
[4]Thaxton, Ruth — Mason, Tex. — Math. gr. — 363 Roble
A.B., Colorado State Teachers College, 1923
Thayer, George Edwin — San Mateo — LD 122+1 — Theta Xi-*1355*
[12]Thayer, Lewis A. — Pullman, Wash. — Bot. gr. — 322 Union-*1177*
B.S., State College of Washington, 1925, M.S., 1926
Thayer, Wellman Perry — Santa Monica — C.E. 45·67+16 — PhiSigmaKap.-*538*
Theuer, Arthur Ulrich — Salem, Ore. — C.E. 108·51+4 — 128 Kingsley-p
Theuerkauf, George — Mountain View — S.Engr. 90·37–2 — Mt. View-mv
[1]Thiel, Leland Earl — Modesto — Econ. 90·6–14 — 818 S. 10th, SJ-sj
[4]Thole, Marie Doris — Stafford, Kans. — Educ. gr. — Roble
A.B., Ottawa, 1927
[234]Thomas, Aimée Belle — Palo Alto — Hist. 123+20 — Delta Gamma-*1336*
Thomas, Chesterlyn A. — Stanford Univ. — LD 96+83 — 6 Alvarado-*1354*
[2]Thomas, Elbert Gould — Palo Alto — Soc.S.-Jn. 87·10–11 — PA-RFD, B5, p
Thomas, Gomer M., Jr. — Los Angeles — Law 136+70 — Beta Theta Pi-*1335*
[3]Thomas, John Oglesby — Portland, Ore. — Hist. 101·49+37 — 533 Encina
Thomas, Joseph Daniel — Los Angeles — Pol.S. 91·98+153 — 312 Union-*1873*
A.B., Stanford, 1927
Thomas, L. Adams, III — Monrovia — M.E. 197+86 — Theta Chi-*1383*
A.B., Stanford, 1927
[4]Thomas, Robert Russell — Mesa, Ariz. — Educ. gr. — 200 Portola-p
A.B., Denver, 1922
Thomas, S. Benson — Mill Valley — Chem. gr. — 202 Sequoia
A.B., Stanford, 1927
[1]Thomason, Clarence — Hollywood — LD 46–23 — Alpha Sigma Phi-*1357*
[5]Thompson, Benjamin H. — Glendale, Ariz. — Phil. 137+132 — 13 Salvatierra-*1635*
Thompson, Chauncey O. — Memphis, Tex. — Chem. 5·134+113 — 237 Branner-*605*
Thompson, Elizabeth — San Diego — LD 43·33+5 — 148 Roble-*1116*
Thompson, Ethelind Grace — San Diego — S.Educ. gr. — Chi Omega-*1386*
A.B., Stanford, 1927
Thompson, Florence M. — San Francisco — Span. 9·134+59 — Del.Del.Del.-*1325*
[1]Thompson, Frank F. — Springfield, Mo. — S.Educ. gr. — 332 Forest-p
A.M., Columbia, 1923
[5]Thompson, George P. — Birmingham, Ala. — S.Engr. 98·28–7 — 176 Bryant-p
Thompson, George Wylie — Pasadena — LD 6·38+9 — 327 Encina-*2031*
Thompson, Helen Annie — Mill Valley — LD 44+51 — 184 Roble-*2822*

Thompson, Henry Webb Glendale, Ariz. Pre-Cl. 214+217 13 Salva'ra-*1635*
A.B., Stanford, 1927
Thompson, James Greer Los Angeles LD 46+31 405 Encina-*2013*
[12]Thompson, John West Puebla, Mexico Phyl.22·104+42 DeltaKap.Eps.-*O*
Thompson, Kenneth J. Red Bluff Med. gr. 2321 Sacramento, SF-sf
A.B., Stanford, 1925
[4]Thompson, Lewis Clay Madera Educ. gr. Lagunita Drive
A.B., Earlham, 1921
[5]Thompson, Lois W. Sunnyside, Wash. Educ. gr. Madroño-*1483*
A.B., Whitman, 1918; A.M., Stanford, 1927
Thompson, Marjorie L. Myrtle Pt., Ore. LD 39·48+21 311 Roble
[5]Thompson, Paul Eugene Santa Clara Educ. gr. 1191 Monroe, SC-sc
A.B., San Jose State Teachers College, 1926
[12]Thompson, Prescott W. Santa Barbara Educ. gr. Los Altos-la
A.B., Park, 1912
[13]Thompson, Thomas Francis Glendale LD 16·68+12 Kappa Sigma-*1326*
[4]Thoms, Frederic Waterbury, Conn. Soc.S.-Jn‡ 252 Toyon
[4]Thomson, Robert Bradshaw Los Angeles Law 137+10 Stanford Univ.
Thomson, Frederick David Los Angeles S.Engr. 185+61 AlphaDeltaPhi-*J*
A.B., Stanford, 1927
Thon, Louie Frederick Long Beach LD 101+57 300 Toyon-*1963*
Thornton, A. Lee Lakeview, Ore. LD 90+41 108 Branner-*2668*
Thornton, Edith Alden Los Angeles Econ. 135+52 Kap.Kap.Gam.-*1354*
Thornton, Leigh Grey Los Angeles LD 109+12 DeltaKap.Epsilon-*OO*
Thornton, Norton Dolph Hollywood LD 40–6 335 Encina-*2007*
Thorpe, Katherine Covina LD 99+165 337 Roble-*2163*
Threlfall, Donald Richard Modesto Med. gr. 2201 California, SF-sf
A.B., Stanford, 1926
Throndson, Edward Julian San Francisco LD 47+41 349 Encina
[4]Throndson, Eleanore T. Burlingame LD 237 Roble
Thurlow, Thomas Lawson Venice LD 73+68 Phi Delta Theta-*1334*
Thygeson, Phillips Palo Alto Med. gr. 222 Kingsley-p
A.B., Stanford, 1925
[22]Thygeson, Ruth Lee Palo Alto LD 108+110 222 Kingsley-p
Tibbe, Jan San Francisco Econ. 136+11 Beta Theta Pi-*1335*
Tien, Shih-Ying China Hist. gr. Chinese Club-*960*
A.B., Stanford, 1927
Tifal, Chester Richard Los Angeles Econ.97·83+23 AlphaTauO.-*1384*
A.B., Stanford, 1927
Tillotson, John Sanford Dinuba LD 85+35 Sigma Chi-*628*
[8]Tilton, Edward G. Salt Lake City, Utah Econ. gr. Cowper Court-*1756*
A.B., Stanford, 1925
[4]Tilton, Edwin Belmont San Diego Educ. gr. 601 Webster
A.B., Stanford, 1923
[1]Tinker, Miles Albert Huntington, Mass. Psych. gr. 918 Ramona-*954*
A.B., Clark, 1921, A.M., 1922; Ph.D., Stanford, 1927
[5]Tippett, George William San Francisco S.Biol. 100·132–13 880 Bush,SF-sf
[4]Tippetts, John Roy Morgan, Utah Educ. gr. 137 Webster-p
B.S., Utah Agricultural, 1920
[12]Titus, Charles Hickman Stanford Univ. Pol.S. gr. 13 Union-*1219*
A.B., Stanford, 1920, A.M., 1921, Ph.D., 1927
[1]Titus, Robert Chadwick Berkeley Educ. gr. 13 Union-*1219*
A.B., Stanford, 1925
[4]Toalson, Norma Anne Mexico, Mo. Educ.‡16+21 168 Roble
Toberman, Homer Mendel Hollywood LD 90–3 Kappa Alpha-*1356*
[1]Todd, Harold Elworthy Los Angeles Econ. 180+3 333 Embar'cd'o-*1305*
A.B., Stanford, 1927

Todd, Harrison Tyler — Honolulu, T.H. — S.Engr. 5·186+81 — Sigma Nu-*1385*
A.B., Stanford, 1927
[5]Todd, Harry Day — Palo Alto — Law gr. — 1430 Middlefield-p
A.B., Stanford, 1924
[5]Todd, Samuel Spaulding — Arcata — Chem. gr. — 408 Sequoia-*2635*
A.B., Stanford, 1927
[4]Todd, Walter Ernest — Menlo Park — Fr. gr. — Menlo School, MP-mp
A.B., Wesleyan, 1922
[1]Toffelmier, Bruce C. — Sebastopol — Pol.S. 128–20 — Alpha Tau Omega
Tognazzini, Elton Leland — Sisquoc — LD 65–17 — Delta Tau Delta-*1363*
[5]Tolman, B. Hildegarde — Stanford Univ. — Hist. gr. — San Juan Hill-*830*
A.B., Stanford, 1926
[4]Tomasini, Loring — Escalon — LD — 856 Middlefield-p
[1]Tompkins, Bernice Brooks — San Jose — Hist. gr. — 707 N. San Pedro,SJ-sj
A.B., Stanford, 1917, A.M., 1927
[4]Tonge, Fred M. — Reedley — LD‡ — *226* Union
Topp, Thomas Martin — San Jose — LD 69·45+32 — 305 Encina-*1072*
Torbert, Harold Chester — San Diego — LD 49·61+65 — *320* Embarcadero-p
[5]Torjussen, Reidar B. — Medicine Hat, Alta. — Educ. gr. — A.K.L.-*658*
A.B., Stanford, 1927
Tormey, Donald James — Spokane, Wash. — LD 6·93+48 — Sigma Nu-*1187*
[12]Torrence, Maurice Dean — Yankton, S.D. — LD 36+0 — 403 Encina
Touwaide, Marcel E. — Palo Alto — Geol. gr. — 256 Kellogg-p
E.M., University of Liége, 1925; Ph.D., Stanford, 1927
[124]Towers, Harold Dreher — Pasadena — Law 161–2 — 242 Branner-*35*
[12]Tracy, Ralph L., Jr. — Santa Barbara — LD 59–31 — Theta Delta Chi-*1828*
[1]Trattner, Harold David — Los Angeles — Econ. 122+90 — 206 Branner-*15*
Travers, William J., Jr. — Placentia — LD 8·128+101 — 21 Toyon-*1855*
Treanor, Thomas Coghill — Los Angeles — LD 95+92 — 112 Branner-*1468*
[4]Treat, David Brainerd — Mesa, Ariz. — Engl. gr. — 112 Toyon
A.B., Yankton, 1924
[1]Tree, Warren Horace — San Jose — LD 51· — 442 S. 8th, SJ-sj
Trent, Theodore Frederick — Honolulu,T.H. — Econ. 88·49+12 — SigmaAl.Eps.-*1727*
Trew, James Lewis — Santa Ana — LD 36–3 — 201 Encina-*2551*
[1]Triest, Robert Joseph — Los Angeles — Law 177+1 — 52 Lasuen-*2752*
Trigeiro, William Francis — Sebastopol — LD 50+6 — 249 Branner-*829*
Trimmer, Thomas Fulton — Cody, Wyo. — LD 77–8 — 138 Toyon-*1952*
Trippet, Oscar A., II — Topanga — Law gr. — 332 Forest-*1356*
A.B., Stanford, 1925, J.D., 1927
Trombetta, Julius Caesar — Manteca — Econ. 182+125 — 132 Toyon-*2668*
A.B., Stanford, 1927
Trotter, Fred Eugene, Jr. — Honolulu, T.H. — Econ. 50·136+88 — BetaThetaPi-*1335*
A.B., Stanford, 1927
Trowbridge, Dwight Howe — Fresno — Pre-Med. 134+12 — Pacific Grove-pg
[5]Troyer, Gifford LeRoy — Hollywood — Law 165+112 — Phi Kappa Psi-*1333*
Trudell, Olive — Menominee, Mich. — Engl. gr. — Kingscote-*1025*
A.B., Vassar, 1913; A.M., Stanford, 1927
Truman, John Edwards — Oakland — Law 164+36 — Branner-*2059*
[4]Tryhhall, Anna L. — Santa Ana — Span. gr. — 38 Lasuen
A.B., Southern California, 1912, A.M., 1913
[12]Tsiang, Hsi Tseng — Nantun-Shian, China — Pol.S. gr. — Chinese Club-*2765*
A.B., National Southeastern, 1925
Tsui, Tsung-Hsun — Honan, China — Pol.S. gr. — 212 Union-*14*
A.B., Stanford, 1924, A.M., 1925, Ph.D., 1927
Tuan, Hsu Chuan — Peking, China — Bot. 90·90+87 — 627 Homer-*1136*
A.B., Stanford, 1927

[4]Tuchler, Maier Israel	San Francisco	LD	248 Toyon
Tucker, James Bradley	Twin Falls, Idaho	Econ. 136+168	246 Toyon-*1692*
Tufford, Walter Witt A.B., Stanford, 1927	Detroit, Mich.	Phil. gr.	202 Union-*2463*
[1]Tull, Floyd William	Palo Alto	LD 66–25	801 Waverley-p
Tulley, James Benton	Roseville	Econ. 90·42–21	500 Encina-*558*
[4]Tumelty, Ruth Aileen A.B., California, 1924	Stockton	Educ. gr.	555 Lytton-p
[2]34Tupper, Charles Ralph A.B., Stanford, 1913, A.M., 1923	Miami, Ariz.	Educ. gr.	459 Hamilton
[4]Tupper, Clyde Warner A.B., Arizona, 1924	San Jose	Educ. gr.	211 S. 8th, SJ-sj
Turkel, Harry Raymond A.B., Stanford, 1927	Los Angeles	Pol.S. 122·58+41	Fire Station-*1105*
Turnbull, John Andrew A.B., Stanford, 1927	La Jolla	Econ. 81·99+32	500 Encina-*1361*
[4]Turnbull, Lloyd W. A.B., Minnesota, 1909	North Bend, Ore.	Educ. gr.	176 Bryant-p
[12]Tuthill, Ruth Elizabeth	Portland, Ore.	Hist. 115+75	Delta Gamma-*1366*
Tuttle, Lawrence S.	Waimea, T.H.	LD 130+159	235 Toyon-*1855*
[4]Twining, Lou G.	Phoenix, Ariz.	LD‡14–5	321 Roble
Uhl, George Meredith	Sacramento	Pre-Med.90·48+26	Theta Chi-*1383*
[4]Underwood, Carl S. A.B., Illinois, 1911	Boise, Idaho	Educ. gr.	Stanford Univ.
Underwood, Franklin J.	Portland, Ore.	LD 49+53	360 Bryant-p
[12]Uppman, Elsa Elizabeth	Santa Clara	Engl. 45·116+97	Roble
d'Urbal, René Paul A.B., Gonzaga, 1926	Spokane, Wash.	Chem. gr.	707 Middlefield-p
Vahey, George	Oakland	LD 46+37	122 Encina-*1197*
Valentine, Carl August	Pocatello, Idaho	LD 96+86	123 Toyon-*815*
Valentine, Edward Robinson	S. Pasadena	LD 39+11	301 Encina-*40*
Valentine, William W.	South Pasadena	LD 58–18	Alpha Delta Phi-*J*
[4]Van Alstine, K. Alice	Sacramento	LD‡13+8	228 Roble
VanAlstyne, Richard Warner A.B., Harvard, 1922	Hollywood	Hist. gr.	28 Alvarado-*2273*
VanAmringe, John D. A.B., Stanford, 1927	Geyserville	M.E. 191+31	310 Toyon-*1243*
[4]Van Buskirk, Luther A.M., Colorado State Teachers College, 1925	Cañon City, Colo.	Educ. gr.	335 Kipling-p
[1]Vance, Lloyd Joseph	Seattle, Wash.	LD 60–7	Phi Gamma Delta-*2452*
van de Carr, William D. B. A.B., Stanford, 1927	Hollywood	C.E. 24·167+12	300 Toyon-*990*
[4]Van Dellen, Katherine	Salinas	LD‡	250 Roble
[5]Van den Akker, Kryne	Los Angeles	Law 142+48	Phi Gam.Delta-*1324*
[23]Vander Kamp, John Francis	San Jose	Econ. 18·128–6	218 Branner-*6*
[4]Vanderslice, Sara Elenor	Piedmont	Econ.‡	341 Roble
[4]Vander Zwiep, Phillip J.	San Francisco	LD	106 Encina
Van Deventer,William Clarke A.B., Stanford, 1926	Long Beach	Med. gr.	2215 Buchanan, SF-sf
[4]Vandevort, Charles Thomas A.B., Stanford, 1917	San Rafael	Educ. gr.	352 Middlefield-p
Van Druten, Arthur A. A.B., Stanford, 1925	Los Gatos	Med. gr.	2215 Buchanan, SF-sf
Van Etten, Robert Briant	Oakland	LD 41+26	305 Encina-*642*
Van Fossen, Elinore Vesta	Dunsmuir	Econ.93–10	AlphaOmicronPi-*1367*
[5]Van Gessel, Edwin H.	New York, N.Y.	Geol. 88·111–21	245 Branner

[4]Van Gilder, Bert Ira	Stockton	Econ.‡	306 Union
Van Horn, Mary Acelia	Monrovia	Engl. 136+9	Sigma Kappa-1327
[3]Van Houte, Lydia Theodora	Palo Alto	Fr. gr.	Palo Alto-R 1, Box 90,p
A.B., State College of Washington, 1922; A.M., Stanford, 1927			
[4]Van Houte, William	Palo Alto	Span. gr.	Palo Alto-Rt 1, Bx 90,p
A.B., State College of Washington, 1922			
Vanier, Joseph William	Hollywood	S.Engr. 92·54+37	808 Waverley-p
Van Loan, Richard Edmond	Los Angeles	LD 45+4	115 Alma-*1281*
[24]Van Norden, Linda	Palo Alto	Engl. gr.	329 Lincoln-p
A.B., Stanford, 1924, A.M., 1927			
Van Norden, Margaret	Palo Alto	LD 44+53	243 Roble
Varian, Russell Harrison	Halcyon	Phys. gr.	334 Lincoln
A.B., Stanford, 1925, A.M., 1927			
Vaughan, Frances Robin	Palo Alto	S.Educ. gr.	Chi Omega-*1386*
A.B., Stanford, 1926			
Vaughn, John Orren	Pasadena	Med. gr.	2402 California,SF-sf
A.B., Stanford, 1924			
[23]deVaux, Myrtle	Piedmont	LD 93+114	Kap.Kap.Gamma-*1354*
[23]Vedeler, Harold Claus	Clear Lake, Iowa	Psych. gr.	665 Hanover-*591*
A.B., Iowa, 1926			
[234]Velikoselsky, Vladimir	Pet'grad, Russia	Econ. gr.	527 Channing-p
Graduate, University of Tomsk, 1919			
Vermilya, Robert H.	San Mateo	LD 109+41	Delta Upsilon-*1353*
[12]Verplank, Wilbur Joseph	Santa Monica	Econ. 102·82+93	Al.Kappa L.-*658*
A.B., Stanford, 1927			
[23]Viets, Henry Edwin	Long Beach	LD 30+9	141 Encina-*75*
[12]Villadolid, Deogracias V.	Nasugbú, P.I.	Zoöl. gr.	*227* Channing-p
B.Agr., Philippines, 1919, B.S., 1922, M.S., 1923; Ph.D., Stanford, 1927			
[12]Vincent, Craig S.	Grand Junction, Colo.	LD 75+32	Delta Tau Delta-*1363*
Vincenti, Louis Rudolph	Pasadena	Law 137+208	132 Toyon-*2668*
[3]Vincenti, Paul Charles	Pasadena	Econ. 108·15+1	132 Toyon-*2668*
Virag, Alfred	San Francisco	M.E. 183+45	1531 University-*1383*
A.B., Stanford, 1927			
Visel, Charles Wesley	Los Angeles	LD 46+24	15 Encina-*561*
[24]Voegelin, Charles Ferd.	Pine Bush, N.Y.	Psych. 90·50+30	527 Encina
[4]Vogel, Helen Louise	Fullerton, Nebr.	Educ. gr.	542 Webster-p
A.B., Stanford, 1924			
[5]Volland, D. Virginia	Los Angeles	LD 68+44	175 Roble-*2451*
Voorheis, Virginia Grace	Sacramento	S.Let. 90·38+15	*376* Roble-*925*
[1]Voorhies, Edwin Coblentz	Berkeley	Econ. gr.	2615 Shasta Road, B-b
B.S., California, 1913			
[5]Voorsanger, Jack Henry	Larkspur	LD 77+30	Kingscote-*2753*
Waage, John	Minneapolis, Minn.	Educ. gr.	334 Homer-p
A.B., Luther, 1918			
Waegele, Vera Carolyn	Palo Alto	Med. gr.	Manzanita-*2645*
A.B., Kansas, 1923			
[2]Waggoner, Stephen G.	WichitaFalls,Tex.	Geol. gr.	243 Webster-*2048*
A.B., Stanford, 1927			
Wagner, Charles Christian	Stockton	Chem. 132+62	215 Toyon-*1411*
Wagner, Edmond M.	San Francisco	LD 99+152	128 Branner
Wagner, Ernest Dean	San Francisco	Law 141+137	134 Toyon-*2668*
Wagner, Robert Lowell	Merced	LD 47+11	309 Encina-*1041*
Wais, John, Jr.	Merced	C.E. 28·172+216	142 Toyon-*1172*
A.B., Stanford, 1927			
[1]Waite, Eric Lyman	Los Angeles	Ed. G.A. 107+12	707 Addison-*1383*
[5]Waite, Margaret	Los Angeles	Educ. 120+71	Gam.PhiBet.-*1337*

Waite, Russell Scott — Riverside — Cl.Lit. 90-42+8 — 323 Sequoia-*2204*
[23]Waitzinger, Ludwig A. — Palo Alto — Bot. gr. — 531 Harvard-*683*
B.S., Jena, 1912
[134]Wakefield, Jean — San Francisco — LD 93+20 — Kappa Kap.Gam.-*1354*
Walcutt, Sibyl — Tucson, Ariz. — Psych. gr. — 252 Kingsley-p
A.B., Arizona, 1925
[12]Waldron, Anne Stillman — Los Angeles — LD 92+30 — 228 Roble-*515*
Walker, Carroll Dexter — San Francisco — Econ. 181+205 — 312 Sequoia
A.B., Stanford, 1927
[12]Walker, Edgar Lee — Wyatt, La. — Econ. 90-96+20 — Sigma Chi-*628*
A.B., Stanford, 1927
Walker, Edward Wilfrid — Ben Lomond — LD 46+8 — 248 Encina
[12]Walker, Fletcher Loren, Jr. — Westwood — E.E. 198+139 — Chi Psi-*1648*
A.B., Stanford, 1927
[4]Walker, Flora — San Jose — Educ. gr. — Notre Dame, RC-rc
A.B., San Jose State Teachers College, 1927
[23]Walker, Frederick — Salt Lake City, Utah — LD 57-25+0 — Delta Kappa Eps.-*O*
Walker, Gene Kimball — Salt Lake City, U. — LD 118+129 — Sigma Chi-*628*
[12]Walker, Kenneth Roswell — Westwood — S.Engr. 165+67 — Chi Psi-*1648*
Walker, Ralph J. — San Jose — LD 89+49 — AlphaKappa Lam.-*658*
Walker, Roland Douglas — San Francisco — Med. gr. — 2107 Pierce, SF-sf
A.B., Stanford, 1926
Walker, Samuel J. — Yorba Linda — Med. gr. — 2186 California, SF-sf
A.B., Whittier, 1922
[1]Walker, Victor Earl — Santa Ana — LD 72+90 — 513 Encina
[4]Wall, Gladys Barr — Selma — Educ. gr. — 853 Channing-p
A.B., Redlands, 1920
[234]Wall, Hugo — Inman, Kansas — Pol.S. gr. — 115 Alma-*2253*
A.B., Stanford, 1926
Wall, Warden E. — Selma — Econ.97-47+17 — 206 Sequoia-*2532*
Wallace, Gale Douglas — Piedmont — LD 44–8 — 222 Encina
[23]Wallace, Ralph Chester — Oakland — LD 30+27 — 136 Encina
Wallen, Jarvis Arthur — Pacific Beach — S.Engr. 88-49+46 — 500 Encina-*3038*
[4]Walmsley, Zetta Underwood — Sacramento — Econ. gr. — 30 Lasuen-*1332*
[4]Walsh, Lucille Gertrude — Menlo Park — Educ. gr. — Sacred Heart,MP- mp
A.B., St. Louis, 1923
Walsh, Norman Edward — Fresno — Econ.40-94+34 — Theta Chi-*1383*
Walsh, Walter Pernau — San Francisco — Hist. 165–1 — Alpha Kappa L.-*658*
[1]Walter, Rosalie — Menlo Park — LD 44+48 — Menlo Park-Bx256,mp
Walters, Milas Erle — Twin Falls, Idaho — LD 45+34 — 111 Encina-*1061*
[4]Walton, Arthur Stuart — Palo Alto — Educ. gr. — 1651 Webster-p
Graduate, U.S. Naval Academy, 1913
Wankowski, Victor O. — Los Angeles — Min. gr. — 540 Encina-*2661*
A.B., Stanford, 1926
Ward, Helen Thornton — South Pasadena — LD 44+33 — 182 Roble-*2572*
Ward, Phebe Watkins — San Diego — Engl. 11-138+124 — 317 Roble-*674*
Ward, Roderick Charles — Pasadena — C.E. 94-96+51 — Sigma Chi-*628*
A.B., Stanford, 1927
[5]Ward, William John — Petaluma — LD 53–7 — 317 Encina-*2407*
Wardrip, Buford H. — Grants Pass, Ore. — Med. gr. — 2350 California, SF-sf
A.B., Redlands, 1925
[1]Warfield, George Richard — Healdsburg — LD 7–12 — 245 Encina-*2117*
Warner, C. Burnham — San Diego — LD 47+5 — 362 Encina-*2514*
Warner, Irwin Chauncey — Riverside — LD 47+48 — 349 Encina-*575*
Warner, Richard Alonzo — San Francisco — Econ. 131+26 — 306 Sequoia-*2219*
Warren, Edward — Modesto — Chem. 90-46+72 — 408 Encina

Wasson,George F.,Jr. Salt Lake City,Utah Law gr. 18 Alvarado-*1853*
A.B., Stanford, 1927
Watanabe, Lee Mitsuyoshi Fresno Pre-Cl.90-95+66 Jap. Club-*598*
A.B., Stanford, 1927
[1]Waterhouse, Edson Peter San Francisco Econ. 144–13 Beta Theta Pi-*1335*
Waters, Max Archie Chico Med. gr. 2203 Buchanan, SF-sf
A.B., Stanford, 1926
[4]Watkins, Dorothy Marie Glendale Educ. gr. 331 Roble
A.B., Occidental, 1927
[5]Watkins, Edwin Arden San Diego Chem. 135-38+2 436 Waverley-p
Watkins, James Thomas, VI Palo Alto LD 83+58 601 Melville-*2773*
[4]Watkins, Louise North Pendleton, Ore. Engl. gr. 181 Roble
A.B., Minnesota, 1917
Watkins, Robert Preston Palo Alto LD 47+64 225 Encina-*2773*
[5]Watson, Campbell H. Los Angeles LD 45-42+7 481 Lytton-*1230*
[5]Watson, Frances Rhodes Palo Alto Chem. 5-158+65 559 Tennyson-p
[5]Watson, James Avery Mayfield Econ. 116+9 1236 College-*1385*
[12]Watson, John Barry San Francisco LD 41–35 Beta Theta Pi-*1335*
[4]Watson, Lella B. Y. Santa Ana Fr. gr. 38 Lasuen
A.M., Kansas, 1915
[4]Watson, Roy Henry Bandon, Ore. Span. gr. 38 Lasuen
A.B., Michigan State Normal, 1914
Watt, Rolland George San Francisco Law 182+33 Beta Theta Pi-*1335*
A.B., Stanford, 1927
[4]Watt, Tom McCourt San Francisco LD 140 Encina
Way, Harold Franklin Petaluma Law 140+163 136 Branner-*1803*
Way, Irene Lucile Petaluma LD 95+179 202 Roble-*1803*
[12]Way, John W., Jr. Pasadena LD 71–15 208 Sequoia-*1855*
Way, Stewart Pasadena LD 87+90 210 Sequoia-*1855*
[12]Weakley, Joseph E. Fresno Econ. 95–10 219 Sequoia-*1137*
Weatherwax, Clara F. Aberdeen, Wash. LD 93+101 355 Roble-*2302*
Weaver, Albert S., Jr. Stockton LD 84+11 120 Toyon-*666*
[22]Weaver, Arthur Filmer San Francisco LD 86–9 302 Sequoia-*1965*
Weaver, Harold L. San Francisco Med. gr. Sutro Heights, SF-sf
A.B., Southern California, 1924
[5]Weaver, Homer Ellsworth Oberlin, Ohio Psych. gr. 334 Waverley-p
A.M., Oberlin, 1926
[1]Weaver, Lee Jackson Los Angeles Econ. 104+70 240 Toyon
[4]Weaver, Marjorie McN. Spokane, Wash. Educ. gr. 512 Lytton-p
A.B., Whitworth, 1922; A.M., State College of Washington, 1924
[1]Weaver, Mary Elizabeth Spokane, Wash. Cl.Lit. 95-13+15 154 Roble
[2]Weaver, Sylva T. Los Angeles LD 46+46 Kappa Kappa Gamma
[23]Weaver, Vance Cranston Los Angeles LD 45–29 Beta Theta Pi-*1335*
[4]Webb, Barton L. Cullison, Kans. Educ. gr. 340 Embarcadero-p
B.S., Kansas State Teachers College, 1927
[25]Webb, James R. Redlands LD 25–1 209 Encina-*1651*
[4]Webb, Mattie Michelle San Mateo LD‡15+25 232 Roble
[4]Weber,Katherine Wilma Zanesville,Ohio Phyl. gr. 270 Roble
A.B., Oberlin, 1920
[5]Webster, Dorothy Elizabeth Oakland Span. gr. 615 University-*1327*
A.B., Stanford, 1927
[5]Webster, J. Scott Los Angeles Econ. 74+35 PhiGammaDelta-*1324*
Webster, Lawrence Elbert Riverside Chem. gr. 314 Sequoia-*2251*
A.B., Stanford, 1926
Weck, Frank Alan Oakland LD 49+18 250 Encina-*2252*

[1]Wedel, Oswald H. Palo Alto Hist. gr. 480 Cornell-*1035*
A.B., Arizona, 1923; A.M., Stanford, 1924, Ph.D., 1927
Weeden, Susanne Lydia San Francisco Engl. 181+163 281 Roble-*1403*
A.B., Stanford, 1927
Wei, Wilson S. Chüchowfu, China Educ. gr. Chinese Club-*1143*
A.B., National Southeastern, 1924
Weigel, Stanley A. Stanford Univ. Law gr. 419 Encina-*1645*
A.B., Stanford, 1926
Weigle, Clifford Francis Lomita Park LD 91+102 Colma-RFD 1, c
Weil, Martin J. San Francisco Econ. 141+101 205 Branner-*1127*
Weinberg, Laurence Milton Los Angeles LD 46+24 246 Encina-*1228*
Weinland, Clarence E. Banning Phys. gr. 226 Union-*1796*
A.B., Stanford, 1926, A.M., 1927
[5]Weiss, Marie Johanna Stockton Math. gr. 215 Santa Ynez-*2354*
A.B., Stanford, 1925
Welch, Doris A. Lodi Econ. 9-160+137 AlphaOm.P.-*1367*
[4]Welch, Louis Alan Redwood City LD‡ Hidden Valley Farm,RC-rc
[12]Welch, Whiting San Francisco Econ. 180+28 Delta Kappa Eps.-*O*
A.B., Stanford, 1927
[5]Weller, Fred Ames Tacoma, Wash. Law gr. 115 Alma-p
A.B., State College of Washington, 1925
Wells, Phillip Hunt Pasadena LD 98+141 210 Sequoia-*23*
[12]Wells, Walker M. Palo Alto Bot.45-118+10 Sig.AlphaEps.-*1305*
[1]Welo, Victor E. Velva, N.D. Law gr. 1047 Ramona-p
A.B., North Dakota, 1923
Wendt, Albert Richard San Jose LD 58+15 100 N. Market, SJ-sj
[23]Wenig, Herbert Edward Los Angeles LD 30+6 123 Encina-*675*
Wents, John Henry, Jr. Los Angeles LD 125+1 115 Toyon-*1855*
Wentworth, Brandon Boston, Mass. Econ. 180+63 110 Toyon-*1220*
A.B., Stanford, 1927
[5]Wentworth, Charles F. Brookline, Mass. LD 31–9 245 Encina-*1904*
[5]van der Werker, Harrison Everett, Wash. Law 140+96 228 Sequoia-*1841*
Wessels, Arthur Lynn Ukiah LD 100+78 211 Branner-*2796*
West, Catherine Campbell Riverside LD 91+107 154 Roble-*818*
West, Cecil O. Vancouver, B.C. LD 69+14 Phi Delta Theta-*1334*
West, Charles Emerson Palo Alto LD 72–11 245 Everett-p
West, Clarence C., Jr. Los Angeles Hist. 183+186 Phi Del.Theta-*1334*
West, Joe Henry Hagerman, N.M. Educ. gr. 182 Bryant-*2057*
A.B., New Mexico State Teachers College, 1925; A.M., Stanford, 1927
West, Robert Pierce La Jolla LD 85+16 359 Emerson-*1204*
[4]West, Russell L. San Jose Educ. gr. 309 S. 7th, SJ-sj
A.B., San Jose State Teachers College, 1926
[4]West, Ruth Ruamy Muncie, Ind. Germ. gr. 7 Alvarado-*2336*
A.B., DePauw, 1921; A.M., Stanford, 1926
Westerberg, Percy Foster Sacramento Econ. 93-93+80 305 Lytton-*1216*
A.B., Stanford, 1927
Westerfield, Wanda Riverside Math. 181+172 Gam.PhiBeta-*1337*
A.B., Stanford, 1927
Westlake, Norman Elmer Chicago, Ill. LD 25–23 231 Encina-*21*
[4]Weston, Ralph Emerson Chino Educ. gr. 324 Union
A.B., Stanford, 1922
[23]Westsmith, Jack Norman Los Angeles S.Engr.94-35+31 448 Encina-*85*
Weyl, Edward M. Los Angeles LD 47+20 226 Encina-*2192*
Weymouth,Lawrence B. Salt Lake City,U. Chem. 149+69 237 Branner-*1972*
[12]Wheat, Gilbert Collins Palo Alto Law gr. 535 Embarcadero-p
A.B., Stanford, 1925, J.D., 1927

Wheatley, John Brooks	San Francisco	LD 94+61	AlphaTauOmega-*1384*
Wheaton, George Sterett	San Francisco	S.Engr. 186+72	AlphaDelta Phi-*J*
A.B., Stanford, 1927			
Wheaton, Palmer	San Francisco	LD 38+11	301 Encina-*1697*
Wheeler, Ann Bradford	Redwood City	LD 46–13	356 Roble-*2472*
Wheeler, Maynard Cattron	Tacoma, Wash.	Med. gr.	2402 California, SF-sf
A.B., Stanford, 1926			
[134]Wheeler, Newton French	Monrovia	Econ. 112+19	Beta Theta Pi-*1335*
Wheldon, Ned Ellsworth	Los Angeles	Pol.S. 91·89+64	312 Toyon-*1468*
A.B., Stanford, 1927			
[4]Whisler, George Henry	Palo Alto	Soc.S.gr.	721 Waverley-p
A.B., Rutgers, 1916			
[12]Whitaker, Albert Merritt	Stanford Univ.	LD 27+6	9 Alvarado-*995*
Whitaker, Douglas Merritt	Stanford U.	S.Biol. gr.	Pacific Grove-pg
A.B., Stanford, 1926			
[5]Whitaker, Louise M.	Stanford Univ.	Math. gr.	KappaKappaGam.-*995*
A.B., Stanford, 1927			
Whitaker, Virgil Keeble	Spokane, Wash.	LD 48+86	111 Encina-*2263*
White, C. Bolton	Los Altos	Ed.G.A.181+130	L.Altos-Bx247,la
A.B., Stanford, 1927			
White, Douglas A.	Glendale	LD 68–11	Theta Delta Chi-*1828*
[8]White, Dudley Lawton	Los Gatos	S.Engr. ‡	Los Gatos-lg
[3]White, Earl Lyleton	San Francisco	Pre-Med. 90·16+11	720 Cowper-p
White, Edward Arthur	Los Angeles	Hist. 143+221	East Palo Alto-*2744*
[4]White, Fillmore, Jr.	San Francisco	LD	Kappa Alpha-*1356*
[1]White, F. Katherine	Berkeley	LD 37·55+29	303 Roble-*1993*
[4]White, Frances C.	Ellensburg, Wash.	Educ. gr.	202 Roble
A.B., Washington, 1922			
White, George V.	Courtland	Econ. 88·38+30	426 Encina
[4]White, George Walter	Carlsbad, N.M.	Educ. gr.	410 Lytton-p
A.B., New Mexico, 1922			
[4]White, Helen G.	Fresno	Educ. gr.	Madroño
A.B., Fresno State Teachers College, 1926			
White, James Henry, Jr.	Los Angeles	LD 59–18	135 Branner-*2131*
White, Juanita Emilie	San Francisco	LD 93+78	Gamma Phi Beta-*1337*
[23]White, Lois Aletha	Covelo	LD 29+14	169 Roble
[4]White, Lynn Townsend, Jr.	San Anselmo	Hist. 101+153	255 Toyon-*1324*
White, Marian Adele	San Francisco	Bact. 47·134+118	Gam.P.Beta-*1337*
A.B., Stanford, 1927			
[4]White, Natalie Elizabeth	Chicago, Ill.	Engl‡15+8	Sacred Heart, MP-mp
[5]Whitecotton, George Otis	Palo Alto	Pre-Med. gr.	Cardinal Hotel-p
A.B., California, 1923			
[4]Whitehead, Francis E.	Longview, Wash.	Hist. gr.	217 Roble
A.B., Saskatchewan, 1925			
Whiteley, Robert Kirkwood	Warren, Ariz.	LD 45·47+12	108 Encina-*601*
Whitesel, Jack Harry	Los Angeles	LD 45+50	137 Encina-*2126*
[18]Whiteside, G. Kenneth	Thompsonville, Ct.	Econ. gr.	721 Waverley-p
A.B., Yale, 1922			
[4]Whiting, John Martin	Mapleton, Utah	Educ. gr.	329 Union
A.B., Brigham Young, 1919			
Whitman, William McK.	Hakalau, T.H.	LD 42–9	40 Encina-*1708*
Whitney, Francis Edwin	Altadena	LD 129+67	Zeta Psi-*B*
Whitten, Mabel Anita	Burlingame	Engl. 90·53+11	815 Acacia, B-b
Wicher, Herbert W.	San Anselmo	Cl. Lit. 142+27	320 Sequoia-*1734*
Wickersham, Howard H.	San Pedro	Law gr.	616 Forest-*536*
A.B., Pomona, 1924			

Wickersham, James Baxter	Boise, Idaho	LD 71·46+42	215 Sequoia-*2726*
[4]Wicklund, Irene Beatrice	Palo Alto	Span. gr.	918 Ramona-p
A.B., New Mexico, 1922			
[4]Widner, Edna D.	Hepler, Kans.	Educ. gr.	114 Harvard-p
B.S., Kansas State Teachers College, 1916			
[4]Widner, Samuel Roy	Hepler, Kans.	Educ. gr.	114 Harvard-p
[4]Wiedeman, Gustave	Brooklyn, N.Y.	Phys. gr.	213 Toyon
B.S., New York, 1920			
Wiedey, Lionel William	Alhambra	Geol. gr.	8 Union-Box 761,p
A.B., California, Southern Branch, 1926			
Wiedmann, Milton Lawrence	Oakland	E.E. gr.	222 Union-*2637*
A.B., Stanford, 1925, Engineer, 1926			
[4]Wienke, Helen May	Fresno	Educ.‡	305 Roble
[34]Wiggin, John Louis	Bombay, India	LD 90–2	1312 Cowper-*1384*
[5]Wight, Griffith	Honolulu, T.H.	Law gr.	634 Hamilton-p
A.B., Stanford, 1926			
Wight, Roland Henry	Palo Alto	C.E. 186+182	Palo Alto-Bx 246,p
A.B., Stanford, 1927			
Wight, Vernon Jerome	San Diego	LD 31–25	320 Embarcadero-2115
Wilbur, Elizabeth LaGrange	Stanford U.	Hist. 45·140+76	5 Lasuen-*854*
A.B., Stanford, 1927			
Wilbur, Leonard Fisk	Washington, D.C.	Chem. 159+225	Al.Kap.Lam.-*658*
[12]Wilburn, Dorin Singleton	Condon, Ore.	LD 61+7	446 Hamilton-p
Wild, Evan Hadley	Carmel	Econ. 90·40–11	Theta Xi-*1355*
[234]Wilde, Drummond Frank	Piedmont	Hist. 135·30+4	DeltaKap.Epsi.-*O*
[4]Wilder, Floyd Ernest	Mountain View	Educ. gr.	Mt. View-Bx 284, mv
B.S., Dakota Wesleyan, 1919			
Wildman, Mary Frances	Stanford Univ.	Fr. gr.	24 Cabrillo-*2398*
A.B., Stanford, 1922, A.M., 1927			
Wilhelmy, George Max	Sunnyvale	Educ. 87·47+29	Sunnyvale-s
Wilkins, Roy	San Francisco	E.E. gr.	245 Market, SF-sf
B.S., Kansas State Agricultural, 1909; Engineer, Stanford, 1927			
Willard, Oliver Macartney	San Francisco	Engl. 147+77	250 Toyon-*1736*
[1]Willard, Sue Dulaney	Oakdale	LD	345 Roble
Willett, Eleanor Marian	Long Beach	Math. 100·90+119	Al.Omi.Pi-*1367*
A.B., Stanford, 1927			
Willett, Richard Dana	Ventura	LD 32–19	42 Encina-*715*
Williams, A. Otis	Los Angeles	LD 45+35	234 Encina-*2109*
[4]Williams, Elizabeth Moody	Palo Alto	Ed. G.A. 106+32	357 Homer-p
[4]Williams, F. Iola	Fresno	Educ. gr.	Pi Beta Phi-*1332*
A.B., Stanford, 1924			
Williams, Fleta Hazel	San Francisco	Med. gr.	2211 California, SF-sf
A.B., Stanford, 1920, A.M., 1925			
Williams, F. Sunshine	Twin Falls, Idaho	Ed. G.A. gr.	Sigma Kappa-*1327*
A.B., Stanford, 1927			
[5]Williams, George Chase	Marshfield, Ore.	Econ. 90+46	Sigma Chi-*628*
[12]Williams, Gordon Harry	Quincy, Ill.	Engl. 184+20	429 Forest-*J*
A.B., Stanford, 1927			
[5]Williams, Grace Marion	Madera	Econ. 46·78+75	Pi Beta Phi-*1332*
Williams, Griffith Evan	The Dalles, Ore.	LD 28+26	344 Encina-*1945*
[14]Williams, Gwladys Louise	Berkeley	Span. gr.	Madroño
A.B., California, 1921, A.M., 1922			
Williams, Hal St. Clair	Los Angeles	Econ. 163+50	250 Branner-*1089*
Williams, Jean L.	Ft. Leavenworth, Kans.	LD 102–11	Alpha Phi-*1387*
[12]Williams, John Morris	Douglas, Ariz.	LD 51+14	Kappa Sigma-*1326*
[4]Williams, Louise	San Francisco	Fr. gr.	Acad.Sac.Heart, MP-mp
A.B., College of the Sacred Heart, 1925			

Williams, Philip Daniel	San Diego	LD 47+38	30 Encina-*1786*
[4]Williams, Rhona	Palo Alto	LD‡	351 Homer-p
Williams, Robert E.	Pasadena	Econ. 181+5	Beta Theta Pi-*1335*
A.B., Stanford, 1927			
[4]Williams, Ruth	Selma	Engl. gr.	Pi Beta Phi
B.J., Missouri, 1924			
Williams, Sidney W.	Ft. Leavenworth, Kan.	LD 43+28	109 Roble
[5]Williams, Stanwood Ivers	Los Angeles	LD 42–8	209 Encina-*2185*
[5]Williams, Stephen	San Francisco	LD 96+125	225 Sequoia
Williamson, David Arnold	Palo Alto	LD 87+0	1344 Tasso-p
[3]Williamson, Roy Franklin	Sebastopol	S.Educ. gr.	Menlo School, MP-mp
A.B., Stanford, 1924			
[4]Williman, Edwin	Palo Alto	Engl. gr.	407 Cowper-p
A.B., Stanford, 1917			
[4]Willis, Mary Osmond	Cowley, Wyo.	Engl-P.Sp. gr.	825 Cowper-p
A.B., Wyoming, 1919			
[5]Willis, Peyton Tyler	Sacramento	Math. 90·44+14	316 Sequoia
Willits, John Metts	Palo Alto	Psych. gr.	Willow Rd.-Bx 684, p
A.B., Stanford, 1925			
[1]Willson, Harold Orvis	Sunnyvale	Econ.45·146+16	Sun'vale-Bx 298,s
A.B., Stanford, 1927			
[1]Wilson, Albert	San Francisco	Bot. 180+88	545 Encina
A.B., Stanford, 1927			
[4]Wilson, Alice M.	San Francisco	Hist.‡	Roble
[5]Wilson, Bert Felix	Mayfield	Educ. gr.	656 Bowdoin-*2622*
Wilson, Carl Robert	Palo Alto	LD 45–10	435 Tasso-*1622*
Wilson, Catherine Newell	Los Angeles	Hist. 115+3	Kappa Al.Theta-*1336*
[23]Wilson, Charles J., Jr.	Woodlake	Psych. 164+10	Theta Del.Chi-*1828*
Wilson, Clifford Sheets	Alta, Wyo.	Min. gr.	*327* Union-*501*
B.S., Utah, 1910, M.S., 1913; Engineer, Stanford, 1927			
[4]Wilson, Dorothea Margaret	Glendale	Engl. gr.	38 Lasuen-*862*
A.B., California, Southern Branch, 1926			
Wilson, Edwin Everett	Palo Alto	Econ. gr.	375 Everett-p
B.S., Minnesota, 1923			
[124]Wilson, Elwood J.	Manteca	Law 112+14	111 Toyon-*1794*
[5]Wilson, Francis G.	San Antonio, Texas	Pol. S. gr.	410 Kipling-p
A.B., Texas, 1923, A.M., 1924			
Wilson, Gerard	San Jose	E.E. gr.	536 Encina-*656*
A.B., Stanford, 1922, Engineer, 1927			
Wilson, Harold Stoutland	San Diego	Pol.S. 45·92+72	Phi Del.T.-*1334*
[4]Wilson, Jack Leroy	Hollywood	LD	116 Encina
[1]Wilson, Jack West	Menlo Park	LD 58–29	Menlo Park
[1]Wilson, James Charles	Fresno	Soc.S.-Jn.23·162+21	304Un'n-*1962*
A.B., Stanford, 1927			
Wilson, John Cornell	San Jose	Pre-Med.138+21	Phi Sig. K.-*538*
[4]Wilson, Karl M.	Concordia, Kans.	Educ. gr.	326 Union
B.S., Kansas State Agricultural, 1924			
[1]Wilson, Louise Ede	Palo Alto	Span. 180+189	860 University-p
A.B., Stanford, 1927			
[5]Wilson, Marjorie Edith	Los Angeles	Engl. 175+35	Pi Beta Phi-*1332*
[4]Wilson, Mary Pender	Fresno	Educ. gr.	Pi Beta Phi
A.B., California, 1924			
[4]Wilson, Ramon Starr	Beverly Hills	LD ‡	109 Encina
Wilson, Robert Henry	Burlingame	Engl. 45·103+196	1557Ralston,B-b
[234]Wilson, Robert Rogers	Los Angeles	Geol. gr.	206 Union-*2053*
A.B., Yale, 1925			

[4]Wilson, Warner Montgomery	Cupertino	LD ‡	117 Toyon
Wilson, Warren Andrews	Los Angeles	LD 45+23	316 Encina-*2522*
[5]Wilt, James W.	Bakersfield	Geol. 132+20	223 Toyon-*1468*
Wilton, Frank S.	Huntington Park	LD 86+30	Kappa Sigma-*1326*
[3]Windham, James B.	Long Beach	Econ. 33·125+12	525 University-p
Windsor, Gerald Pryce, Jr.	Los Angeles	M.E. 186+25	201 Branner-*1823*
A.B., Stanford, 1927			
Wineberg, Dorothy Helen	Evanston, Ill.	Cl.Lit. 115·51+61	373 Roble-*1995*
[1]Winegar, Don Raymond	Long Beach	LD 11–7	426 Encina
[4]Winegardner, James H.	Lewiston, Idaho	Educ. gr.	1 Lasuen
B.S., Idaho, 1921			
[12]Wing, Frederic S.	Banning	Law 108–7	308 Branner-*2382*
[1]Wingard, Frances Eugene	Long Beach	Econ. 120–16	Theta Xi-*1355*
[2]Winkle, Margaret Louise	Gilroy	LD 14+4	Roble
Winkler, Merrick Peck	Beverly Hills	LD 45–3	401 Encina-*2179*
[23]Winnek, Phil Stanley	San Diego	LD 31+51	347 Encina
[5]Winnek, Victor Charles	San Diego	Law 166+20	Sigma Nu-*1385*
§[12]Winslow, Garth Douglas	Piedmont	Econ. 105+17	AlphaTauOme.-*1384*
Winter, Max	Brentwood Heights	LD 80+55	Alpha Tau Omega-*1384*
Winterbotham, E. Lindsey	Riverside	Law 176+169	219 Toyon-*1468*
Winterburn, Joseph Charles	Sausalito	Law 140+19	Chi Psi-*1648*
Wiper, Thomas B.	Bowbells, N.D.	Med gr.	209 Union-*958*
A.B., Arizona, 1924			
Wise, Fred A.	Virginia City, Nev.	Min. 127+12	Delta Tau Delta-*1363*
[1]Wisely, Kathryn Gross	Salinas	Hist. 180+172	730 Everett-p
A.B., Stanford, 1927			
[4]Witherbee, Orville Orvus	Los Angeles	LD	14 Lasuen
[4]Withington, Dennet	Honolulu, T.H.	Law gr.	464 Churchill-p
A.B., Harvard, 1922			
[1]Wittenberg, Mary E.	Terre Haute, Ind.	LD 63+57	320 Roble-*595*
[5]Wittenberg, Ralph K.	Terre Haute, Ind.	Law gr.	317 Union-*595*
A.B., Stanford, 1927			
Woehlke, Dorothea	San Francisco	LD 48+24	180 Roble-*735*
[23]Woehnert, Marion Russell	Buffalo, N.Y.	Soc.S. 87·15+20	332 Forest-*825*
Woerner, Edna Ellen	Portland, Ore.	LD 92+58	Chi Omega-*1386*
[4]Woerner, Louis P.	San Francisco	Germ. gr.	331 Lincoln-p
A.B., St. Mary's, 1923			
[4]Wohler, Emma Louise	San Francisco	Educ. ‡	146 Roble
[1]Wold, Lester Thompson	Pasadena	Law 88·99+16	Chi Psi-*1648*
A.B., Stanford, 1927			
Wolf, Carl Brandt	Eagle Rock	Bot. gr.	643 High-p
A.B., Occidental, 1926; A.M., Stanford, 1927			
Wolf, Paul Theodore	San Francisco	Law gr.	529 Encina-*704*
A.B., Stanford, 1925, J.D., 1927			
Wolf, Willis Carlyle	San Bernardino	Hist. 128+28	Kappa Sigma-*1326*
[1]Wolfe, Reese	Berkeley	LD 43·61+30	Zeta Psi
[4]Wolfe, Russell Milton	San Francisco	LD	106 Encina
[1]Wolverton, Charles Waldo	Palo Alto	LD 41+4	Palo Alto-Rt. 1, Bx 170,p
[5]Wong, Alfred K.	Shanghai, China	Chem. 100·61+20	Chinese Club-*11*
Wong, Hung Chau	Canton, China	Chem. gr.	Chinese Club-*11*
A.B., Stanford, 1925, Engineer, 1925			
[23]Wong, Wai Quang	Menlo Park	LD 20–5	Menlo Park-Box 702, mp
Wood, Calvin Deloss	Hollywood	LD 82+37	1004 Emerson-p

§ Deceased July 19, 1927.

[4]Wood, Carrie B. San Jose Educ. gr. 361 E. St. John, SJ-sj
A.B., California, 1925
[5]Wood, Dale Thacker Glendale Educ. gr. 222 Fulton-p
A.B., Redlands, 1926
Wood, David Alvra Gooding, Idaho Med. gr. 2315 Webster, SF-sf
A.B., Stanford, 1926
Wood, Dennistoun, Jr. Palo Alto Chem. 188+327 809 Lincoln-p
A.B., Stanford, 1927
Wood, George Archie Gooding, Idaho LD 44+70 344 Encina-*1293*
Wood, Ira Eaton San Jose M.E. 133+202 525 S. 6th, SJ-sj
Wood, James Oscar San Jose Engl. gr. 361 E. St. John, SJ-sj
A.B., Oklahoma, 1922
[5]Wood, Jessie Shirley Merced Math. gr. 205 Everett-*1386*
A.B., Stanford, 1927
Wood, Lucian F. Niles, Mich. LD 96+59 Theta Delta Chi-*2116*
Wood, Margaret Louise Campbell Fr. 14·142+235 203 Roble-*1179*
Wood, Nellie Marian Los Angeles Med. gr. Gamma Phi Beta-*1337*
A.B., Stanford, 1926
Wood, Roy Wilmer San Francisco LD 45·41+8 29 Encina-*2825*
[23]Wood, Walter Jordan Whittier LD 123+20 Alpha Tau Ome.-*1384*
[4]Woodruff, Clarence Herbert Long Beach Educ. gr. Kingscote
A.B., Arkansas, 1908; A.M., Colorado, 1925
Woodward, F. Martin Oakland LD 90+64 Sigma Nu-*1385*
[4]Woodward, Harry R. Hot Springs, S.D. Educ. gr. 804 Waverley-p
A.B., Dakota Wesleyan, 1916
Woodyatt, Elizabeth Stanford Univ. LD 47+38 172 Roble-*1128*
Wool, Fred Austen San Jose Law 190+166 112 Toyon-*2668*
A.B., Stanford, 1927
[5]Woolf, Charles Harold Tempe, Ariz. Law 126+66 136 Toyon-*2051*
Woolley, Eola Claire New Orleans, La. Phyl. gr. 834 Kipling-p
A.B., Tulane, 1926
[12]Woolsey, Karl Almond Stanford Univ. Engl. 81·59–37 511 Encina
[5]Wooster, Ruth Constance Cupertino Chem. gr. 238 Roble-*2174*
A.B., Stanford, 1927
[12]Worden, John Bairsto San Francisco M.E. 181+5 Theta Chi-*1383*
A.B., Stanford, 1927
Worden, Richard Carl San Jose Econ. 102+28 112 Toyon-*2668*
Work, John Franklin Pacific Grove LD 44+35 338 Encina-*1735*
Work, Thomas Albert Pacific Grove Econ. 185+223 MP-RFD,Bx45,mp
A.B., Stanford, 1927
[12]Workman, Everly John Palo Alto Phys. gr. 502 University-p
B.S., Whitman, 1924
[1]Worswick, Mildred San Jose Soc.S. 180+79 Roble-*1944*
A.B., Stanford, 1927
Worthington, William Los Gatos Econ. 99+23 Delta Upsilon-*1353*
Wotring, Ellsworth M. Seattle, Wash. LD 47+64 122 Encina-*2272*
Wright, Calvin Everett Burley, Idaho LD 48+27 217 Encina-*1071*
Wright, Cecil D. Indianola, Iowa Engl. gr. 325 Union-*1492*
A.B., Simpson, 1926; A.M., Stanford, 1927
Wright, Donald Richard Pasadena LD 91+43 Zeta Psi-*B*
[5]Wright, Editha Florence San Francisco LD 73+52 104 Roble-*2793*
Wright, G. Theon Honolulu, T.H. Phil. 45·122+133 135 Toyon-*1732*
Wright, John Madden Los Angeles Med. gr. 2317 Sacramento, SF-sf
A.B., Stanford, 1925
Wright, Joseph Odell Idaho Falls, Idaho LD 30–17 128 Encina-*1038*
[4]Wright, Julia Agnes Oso, Wash. LD ‡ 1035 Emerson-p

Wright, Julian Chapman A.B., Stanford, 1925	Hollywood	Ed.G.A. gr.	Palo Alto Hotel-p
Wright, Muirson C.	Oakland	LD 81–8	Theta Chi-*1383*
[4]Wright, Norma Knowles	Los Angeles	Econ. 131+30	344 Roble
[34]Wright, Phillip Edwards	Sausalito	Min. 154+92	Kappa Alpha-*1356*
Wright, Ralph Wesley A.B., Stanford, 1926	San Jose	Med. gr.	2201 California, SF-sf
[224]Wright, Wallace A.B., Dartmouth, 1919; A.M., Stanford, 1924	Stanford Univ.	Econ. gr.	10 Union
Wright, William Beatty A.B., Stanford, 1925, J.D., 1927	Stanford Univ.	Law gr.	Phi Kappa Sigma-*1306*
[5]Wu, Chin Chuan A.B., Stanford, 1925, Engineer, 1926	Kiangyin, China	Chem. gr.	7 Cabrillo-*1130*
[5]Wu, Tsung	Peking, China	Econ. 90·47+12	2 Salvatierra-*1237*
[14]Wulfing, Gretchen A.B., Stanford, 1927	Hollywood	Educ. gr.	347 Roble-*1161*
[4]Wunderlich, Dorothy Mary	San Jose	LD ‡	312 Hanchett, SJ-sj
Wurdeman, Richard A.B., Stanford, 1927	Columbus, Neb.	Econ. 130·53+36	323 Sequoia-*1212*
Wyatt, Dorothea Edith	San Francisco	LD 45+35	371 Roble-*1967*
Wynn, Carol Glenn	Pasadena	Phil. 114+95	Phi Delta Theta-*1334*
[3]Yarnell, George Alfred	Los Angeles	LD 31+1	408 Encina
Yearian, Alberta A.B., Stanford, 1927	Hollister	Math. gr.	*262* Kingsley-p
[5]Yeatman, Robert Mack A.B., Stanford, 1927	Los Angeles	Phys. gr.	303 Sequoia-*2315*
[4]Yeazell, Edward Campbell	Sausalito	LD	122 Encina
[23]Yeazell, Frances Wade	San Rafael	LD 31+22	180 Roble-*574*
[5]Yen, Chi Kuang	Yunnanfu, China	Hist. 90·51+40	2 Salvatierra-*55*
Yeomans, Andrew	Ojai	LD 53+39	437 Encina
Yeomans, Helen Eva	Spokane, Wash.	LD 49+98	105 Roble-*33*
[5]Yerington, Hollis May	Menlo Park	Hist. 90+55	Gamma Phi Beta-*1337*
Yoakum, Frank B. A.B., Stanford, 1927	Los Angeles	Law 181+63	Kappa Alpha-*1356*
[1]Yolland, Edgar H.	Budapest, Hungary	Soc.S. ‡ 10–1	321 Union
Youd, James T.	Merced	LD 99+69	122 Toyon-*1009*
[4]Young, Adelaide Ann	Port Costa	Educ. ‡	Roble
[5]Young, Clarence Whitford A.B., Stanford, 1926	Palo Alto	Psych. gr.	*222* Fulton-p
[4]Young, D. Palmer B.S., Oregon Agricultural, 1926	Burton, Wash.	Engl.P.Sp. gr.	Lagunita Drive-*B*
Young, Edward Joseph	San Francisco	LD 94+110	561 Middlefield-p
[4]Young, Evert Hale	San Francisco	Law 5·171+64	800 Cowper-p
Young, Forrest Orville A.B., Redlands, 1926	Redlands	Med. gr.	543 Byron-p
Young, H. Mark	San Diego	LD 104+26	Delta Tau Delta-*1363*
Young, John Kiger	San Diego	LD 37+22	*323* Encina
[4]Young, Kathleen Virginia	Redding	Educ. ‡	Roble
[4]Young, Marian A.B., California, 1927	Oakland	Educ. gr.	Roble
[1]Young, Ralph E.	Salt Lake City, Utah	LD 85–3	Delta Kappa Epsilon-*OO*
[1]Young, Ralph M. A.B., Stanford, 1927	San Diego	Econ. 120·63+32	328 Union-*1931*
[23]Youngreen, Donald R.	Upper Lake	LD 57+1	202 Sequoia
Yu, Lih Chi A.B., Stanford, 1926	Anhwei, China	C.E. gr.	Chinese Club-*1633*

[1]Zaches, John Alexander A.B., Stanford, 1927	Monterey	Econ. 180+10	245 Toyon-*36*
Zaches, Russell H.	Monterey	LD 46+32	231 Encina-*36*
[4]Zandmer, Herbert Morton	Los Angeles	Econ. ‡	122 Toyon
[4]Zane, Mary Franklin	Woodside	Hist. ‡	Woodside-*199*
[1]Zarchin, Michael M. B.S., California, 1920, M.S., 1922	San Francisco	Econ. gr.	1816 Fell, SF-sf
Zeh, Carl J.	San Carlos	Econ.90·42–13	San Carlos-Bx84,sc
Zehrbach, Cleive Lowell	Beaumont	LD 15–10	8 Dolores-*1751*
[4]Zeller, Madge Crowder A.B., San Jose State Teachers College, 1926	San Jose	Engl.gr. 170	E.San Salvador,SJ-sj
Zieber, Fred H.	Palo Alto	Econ. 18·145+109	204 Toyon-*2287*
Zieber, Roscoe Lee A.B., Stanford, 1925	Palo Alto	Med. gr.	2217 Buchanan, SF-sf
Zimmerli, Margaret E. A.B., Stanford, 1927	State College, Pa.	Germ. 135·50+5	375 Roble-*2515*
Zipfel, Charles Martyn A.B., Stanford, 1927	Half Moon Bay	Hist. 90·95+43	231 Branner
Zitkowski, Frederick A.	Denver, Colo.	Law 7·157+182	213 Toyon-*2754*
Zombro, Fred Bicknell	Los Angeles	LD 90+61	Phi Delta Theta-*1334*
[4]Zschokke, Theodore Oscar	Palo Alto	LD	120 Encina
Zucco, Gaetan Marc A.B., Stanford, 1927	San Francisco	C.E. 224+318	241 Branner-*1199*
Zumwalt, Margaret J.	San Francisco	LD 51+75	258 Roble-*2216*
[4]Zwirtz, Jones L. A.B., Northwestern, 1923	Huntington Park	Educ. gr.	Union

SUMMARIES

OFFICERS

Trustees		15
Academic Council—rank of		
Professor	147	
Associate Professor	58	
Assistant Professor	32	
Total (less 8 absent on leave)		229
Other Teaching and Administrative Officers—rank of		
Emeritus Professor	20	
Clinical Professor	11	
Associate Clinical Professor	15	
Assistant Professor	27	
Assistant Clinical Professor	16	
Lecturer	31	
Instructor	60	
Clinical Instructor	38	
Associate	5	
Administrative Officer	53	
Total (less 6 absent on leave)		270

Assistants	At Stanford	At San Francisco		
Instruction	95	49	144	
Research	18		18	
Technical	55		55	
Administration	93	5	98	
Library	38		38	
Nursing		26	26	
Total				379
Grand Total				893

STUDENTS

	Autumn	Winter	Spring	Summer	For the year
Graduates	629	635	632	739	1324
Undergraduates	2681	2563	2387	648	3095
Special Students	8	8	6	6	16
Total	3318	3206	3025	1393	4435

BY MAJOR SUBJECTS

	Graduate	Undergraduate	Special	Total
Biology, School of	13	17	—	30
Anatomy	3	—	—	3
Bacteriology	12	9	—	21
Botany	13	5	—	18
Physiology	4	3	—	7
Pre-Medical	6	37	—	43
Pre-Nursing	—	3	—	3
Psychology	43	25	—	68
Zoölogy	22	24	—	46
Business, Graduate School of	14	—	—	14
Education, School of	29	—	—	29
Education, Department of	343	67	—	410
Graphic Art	10	22	—	32
Engineering, School of	—	90	—	90
Civil	6	41	—	47
Electrical	20	8	—	28
Mechanical	4	44	—	48
Military Science	—	5	—	5
Mining and Metallurgy	22	16	—	38
Law, School of	185	168	—	353
Letters, School of	—	2	—	2
Classical Literature	14	13	—	27
English	76	79	—	155
Public Speaking	4	17	—	21
Germanic Languages	7	3	—	10
Romanic Languages	—	—	—	—
French	20	20	—	40
Spanish	48	29	—	77
Lower Division	—	1602	15	1617
Medicine, School of	151	—	—	151
Experimental Medicine	1	—	—	1
Pre-Clinical	—	23	—	23
Physical Sciences, School of	—	—	—	—
Chemistry	62	69	—	131
Geology	19	30	—	49
Mathematics	21	18	—	39
Physics	17	3	—	20
Social Sciences, School of	11	25	—	36
Economics	42	376	—	418
Accountancy	—	6	—	6
History	51	97	—	148
Journalism	—	26	—	26
Philosophy	5	23	—	28
Political Science	26	50	1	77

BY RESIDENCE

California	3396	Michigan	14	China	35
Oregon	123	South Dakota	11	Hawaii	28
Washington	96	Wisconsin	10	Japan	15
Arizona	60	New Jersey	9	Canada	12
Utah	54	Massachusetts	8	Philippine Islands	12
Idaho	53	North Dakota	7	Mexico	8
Texas	44	Pennsylvania	7	India	7
Colorado	42	Louisiana	5	Russia	4
Illinois	40	Alabama	4	Alaska	3
Kansas	31	Arkansas	4	Belgium	2
Ohio	29	Connecticut	4	Chile	2
Montana	27	Florida	3	Germany	2
New York	24	Georgia	3	Switzerland	2
New Mexico	22	Kentucky	3	Central America	1
Nevada	21	Mississippi	3	England	1
Minnesota	20	Washington, D. C.	3	Finland	1
Missouri	19	Tennessee	2	Holland	1
Nebraska	19	Virginia	2	Hungary	1
Iowa	18	Maine	1	Peru	1
Oklahoma	18	New Hampshire	1	Poland	1
Wyoming	16	North Carolina	1	Siberia	1
Indiana	15	Rhode Island	1	Straits Settlements	1
				Venezuela	1

STANFORD ALUMNI ASSOCIATION

CONSTITUTION

Adopted June 21, 1924

The Stanford Alumni Association is organized to promote the common interests of Stanford, its graduates and former students, as represented by the activities of the University.

ARTICLE I: MEMBERSHIP

SECTION 1.—Any person who has been a registered student of Stanford University is eligible for membership in this Association, and may become a member by payment of the annual dues; provided, however, that only members having bachelor's degrees from Stanford University shall be eligible to any elective office in this Association.

SEC. 2.—All members of the faculty of Stanford University are honorary members of this Association.

ARTICLE II: OFFICERS

SECTION 1.—The officers of this Association shall be the Alumni Council, consisting of nine elected members, three of whom shall be graduates of not less than ten years' standing; three of whom shall be graduates of not less than five years' standing; and three from any class as may be selected by the nominating committee, and who shall be elected for three-year terms with terms so arranged that but three members will retire in any one year; provided, however, that the members of the Advisory Board now in office, whose terms have not expired, and those elected in June, 1924, shall remain in office for the term for which they have originally been elected; one representative, elected by each graduating class, whose term shall be one year after graduation; and one representative from each local alumni club now organized or which may be hereafter organized with the approval of the Association and having a membership in good standing of at least one hundred graduates or former students, and for each additional one hundred like members in good standing the alumni club shall be entitled to one additional representative. The University Alumni Secretary shall be *ex officio* a member of the Alumni Council.

The club representatives shall be elected annually by the respective clubs. On or before June 15 of each year, the several clubs shall furnish the secretary of the Alumni Association with the name of the representative or representatives chosen for the year beginning September 1.

SEC. 2.—The Alumni Council shall have general charge of all the affairs of the Alumni Association and the management of all its funds and properties. It shall have full power, and it shall be its duty to carry out the purposes of the Association according to the articles of the Association.

SEC. 3.—The Alumni Council shall elect: (1) a President; (2) a Vice-President; (3) a Secretary-Treasurer; and (4) an Executive Committee.

These officers shall be selected from, and the committee composed of, the nine elected members of the Council and the University Alumni Secretary, and shall be elected annually at the first regular meeting of the Council.

ARTICLE III: DUTIES OF OFFICERS

SECTION 1.—It shall be the duty of the President to preside at all business meetings of the Association; to submit for the Alumni Council an annual report of the affairs of the Association; and to perform such other duties as usually belong to this office. The President shall be *ex officio* member of all committees.

SEC. 2.—It shall be the duty of the Vice-President to preside in the absence of the President, and to perform all other duties belonging to this office.

SEC. 3.—The Secretary-Treasurer shall keep the minutes of all meetings of the Association and of the Executive Committee; shall have the custody of all the books and papers; shall collect the fees and dues of members, and all moneys due or coming to the Association, and shall pay the same over to the bank or depositary of the Association. He shall disburse the funds of the Association under the direction of the Executive Committee. He shall keep the records and conduct the general correspondence of the Association, and make such reports to the Alumni Council as may be requested. He shall be *ex officio* member of all committees.

SEC. 4.—The Executive Committee shall have all the powers of the Alumni Council when the Council is not in session, unless the Alumni Council shall, by a vote of two-thirds of those present, reserve certain powers unto itself. It shall be the duty of the Executive Committee: (1) to regulate the finances of the Association; (2) to pay the Secretary-Treasurer an adequate salary for services performed; (3) to direct the publication of the *Stanford Illustrated Review,* employing the editorial staff and supervising the general policy of the *Review;* (4) to have the accounts of the Association audited at least once each year and report the audit to the Association; (5) to fill, for the unexpired term, all vacancies occurring by death, resignations, or otherwise; (6) to arrange for the program presented on any public occasion for or by the Association; (7) to perform such other duties as may be imposed upon it by the Council; (8) to attend to all the business of the Association not otherwise provided for in this constitution; (9) to canvass and secure recommendations from the local alumni clubs for candidates to be nominated for the Stanford National Board; (10) to appoint alumni members of the Board of Athletic Control, Union Board, or other boards or committees that the Alumni Association has authority to select, or desires to appoint; (11) to consult the alumni, undergraduates, faculty, and trustees, when it deems it advisable, in order to make recommendations regarding the welfare of the University and of the Alumni Association.

ARTICLE IV: DISTRICT DIVISIONS

SECTION 1.—In order to bring the local alumni clubs and the general Alumni Association into closer relationship, the territory covered by alumni clubs shall be divided into twenty-two districts by the Alumni Council, as follows: (1) The Pacific Northwest; (2) the Southwest; (3) Central Mountain States; (4) Middle West; (5) Lake Region; (6) New England; (7)

New York; (8) Middle Atlantic States; (9) the South; (10) Hawaiian and Philippine Islands; (11) Foreign Countries; and in California, a district corresponding with each Congressional district.

SEC. 2.—Each local organization shall be known as the Stanford Alumni Club of ———.

SEC. 3.—The name "Associated Stanford Alumni Clubs" shall be used at all district and national meetings of alumni clubs.

SEC. 4.—An annual meeting of each district shall be held at such time and such place as the officers of each district shall designate.

ARTICLE V: NOMINATIONS AND ELECTIONS

SECTION 1.—The February issue of the *Stanford Illustrated Review* shall give notice of the annual nomination and election of officers of this Association. Said notice shall contain the names of the incumbent officers, and shall indicate the holdover members of the Alumni Council, and shall contain in full the provisions of this constitution relating to nominations and elections.

SEC. 2.—The Executive Committee shall each year appoint a nominating committee of five members of the Council, at least three of whom shall not be members of the Executive Committee. The nominating committee shall make its report to the Executive Committee each year by the fifteenth day of March.

SEC. 3.—Nominations may be made also by petition. A nominating petition must be signed by at least fifty members of the Association and must be filed in the office of the Secretary-Treasurer on or before the first day of April of the year for which the nomination is made, and shall be valid only if the consent to such petition is endorsed thereon by the person in whose behalf such petition is filed.

SEC. 4.—On or before the fifteenth day of April of each year, the Secretary-Treasurer shall mail to every member of this Association whose dues for the current year have been paid, an official ballot containing all the nominations, with the addresses of the nominees and the number of proposers of each, and said ballot shall be published in the April issue of the *Stanford Illustrated Review;* provided, however, that where no contests occur, the Secretary-Treasurer shall be empowered to cast the ballot.

SEC. 5.—Officers shall be elected at an annual election to be held at Stanford University on Alumni Day, between the hours of 9 o'clock A.M. and 12 o'clock NOON. The Executive Committee shall have charge of the election. The elector may cast a written ballot in person, or by mail, addressed to the Secretary-Treasurer, marked "Ballot" and disclosing the sender's name, and enclosing a ballot in a plain envelope. Ballots so received shall be opened and cast only during the hours of election. The respective candidates receiving the highest number of votes shall be declared elected. A tie vote shall be decided by lot.

SEC. 6.—No one whose annual dues are in arrears for the current year shall be entitled to vote or to hold office.

ARTICLE VI: DUES

SECTION 1.—The dues of the Association shall be $3.00 per year for each member thereof, which amount shall include a subscription to the monthly alumni publication, *provided, however, that for a second member of a fam-*

ily living in a house in which there is already one full membership, the dues, not including a subscription to the monthly alumni publication, shall be $1.50 per year.

SEC. 2.—A member, upon payment into the treasury of the sum of fifty dollars ($50.00), at any one time and for that purpose, shall be entitled to a life membership in this Association, including a life subscription to the monthly alumni publication, and shall not be liable for any further dues, *provided, however, that for a second member of a family living in a house in which there is already one full life membership, the life membership dues, not including a life subscription to the monthly alumni publication, shall* be $25.00.

SEC. 3.—All members who, prior to May, 1908, have paid $5.00, shall, if they desire, be exempt from further dues.

ARTICLE VII: FUNDS

SECTION 1.—The receipts from dues and from miscellaneous sources, and the interest from life memberships, shall be known as the current fund and shall be used for the current expenses of the Association.

SEC. 2.—At the end of each current year, or at prior time if so directed by the Executive Committee, all sums in the current fund in excess of two thousand dollars shall be transferred to the reserve fund. All sums thus transferred from the current fund to the reserve fund shall be deposited in trust with the Board of Trustees of Stanford University, to be invested.

The income earned by the reserve fund may be withdrawn from time to time as directed by the Alumni Council, to be used for the purposes of the current fund; but there shall be no such withdrawal during any one year of an amount in excess of the earnings of the reserve fund for the year next preceding the year of such withdrawal.

SEC. 3.—At such time as the reserve fund shall exceed the principal amount of twenty-five thousand dollars, then all sums in excess of said principal sum of twenty-five thousand dollars at the end of each current year may be used for the purposes of Stanford University at such time and in such amounts as may be determined by the Alumni Council, with the advice and consent of the Board of Trustees of the University.

SEC. 4.—The Alumni Council may accept donations of funds for the promotion of the purposes of the Alumni Association, and shall apply such donated funds according to the conditions specified by the donor. Such funds shall be deposited in trust with the Board of Trustees of Stanford University, and may be withdrawn by the Alumni Council and expended only as specified in the trust created by the donor.

ARTICLE VIII: MEETINGS

SECTION 1.—Of the Association. The annual meetings shall be held on Alumni Day of each year, and other meetings of the Association shall be held at such time as the Executive Committee shall determine. Notice of meetings of the Association shall be mailed by the Secretary to all members of the Alumni Council and to all alumni clubs, at least thirty days prior to the time of holding the meeting. All meetings of the Alumni Association shall be held at Stanford University.

SEC. 2.—Of the Alumni Council. There shall be a spring meeting of the Alumni Council each year at Stanford University, the exact time to be de-

termined by the Executive Committee. Special meetings of the Alumni Council may be called at any time by the President or by a majority of the Executive Committee, but notice of such meetings and of the regular meeting must be mailed to each member at least four weeks in advance. In the case of special meetings, the Secretary-Treasurer shall specify the object or objects for which the meeting is called, and no business shall be transacted at such meeting other than that specified in the notification of the meeting.

SEC. 3.—Of the Executive Committee. The Executive Committee shall meet at regular stated intervals to be determined by the committee. Special meetings shall be held at the call of the President of the Alumni Council, or of a majority of the members of the committee, the place and purpose of the meeting to be designated in the notice of the meeting.

ARTICLE IX: QUORUM

A quorum shall consist, in the Association, of twenty-five members; in the Alumni Council, of twelve members; and in the Executive Committee, of five members.

ARTICLE X: AMENDMENTS

Any proposition to alter or amend these articles of Association must be proposed in writing, signed by one hundred members, and submitted to the members by mail in printed form by the Secretary-Treasurer, and voted upon in the same manner as are nominations for officers, and adopted by a majority vote.

ARTICLE XI: RULES OF ORDER

Robert's Rules of Order shall govern in all cases not provided for by the foregoing by-laws.

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